

USAF-ETAC/DS-81/004

*ADE 850 010*

AD A095328

DATA PROCESSING DIVISION  
USAFETAC  
Air Weather Service ( MAC )

REVISED UNIFORM SUMMARY OF  
SURFACE WEATHER OBSERVATIONS

MAUI OPTICAL SITE HI  
*Mr. Alek Kuo*

NORTH TOWER

WEAN# 00001

PARTS: C, E-F

POR FROM HOURLY OBS: OCT 77-APR 80

MAUI OPTICAL SITE HI

SOUTH TOWER

WEAN# 00002

PART C

POR FROM HOURLY OBS: OCT 77-APR 80

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This technical report has been reviewed and is approved for publication.

*Wayne E. McCollom*

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For the Commander

*Walter S. Burgmann*

WALTER S. BURGMANN  
AWS Scientific and Technical  
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13 FEB 1981

U S AIR FORCE  
ENVIRONMENTAL TECHNICAL  
APPLICATIONS CENTER

PART C

SURFACE WINDS

Presented in this part are various tabulations of surface winds as follows:

1. Extreme Values - Peak Gusts: Derived from daily observations and presented by individual year and month for the entire period of record available. Speeds are presented in knots, while directions are given in 16 compass points from the beginning of record through June 1968, and in tens of degrees starting in July 1968. The extreme is selected and printed from available peak gusts for each year-month, however an asterisk (\*) is printed in the data block if less than 90% (3 or more missing observations) of the peak gusts are available for the month. An ALL MONTHS value is presented when every month of the year has valid observations. Means and standard deviations are also computed when four or more values are present for any column. A total raw count of valid observations is presented for each month and ALL MONTHS.

NOTE: According to Federal Meteorological Handbook No. 1 specifications (formerly Circular N), "peak gust data are recorded only at stations with continuous instantaneous wind-speed recorders."

2. Bivariate percentage frequency tabulations: Derived from hourly observations, these tabulations are a percentage frequency of wind directions to 16 compass points and calm by wind speeds (knots) in increments of Beaufort classifications. Percentages are shown by both directions and speed, and in addition the mean wind speed is given for each direction.

A separate category is provided on the form for variable winds, which are reported in some data sources. In these data where light and variable winds are reported with no directions but with speeds given, the speeds will be summarized in the appropriate groups opposite the column headed VRBL.

- a. Three tables are prepared for ALL WEATHER surface winds, all years combined, by: (1) Annual - all hours combined, (2) By month - all hours combined, and (3) By month - by standard 3-hour groups.
- b. A separate annual table is also presented for surface winds meeting INSTRUMENT CLASS conditions as follows: Ceiling 200 through 1400 feet inclusive with visibility equal to or greater than 1/2 mile, and/or visibility 1/2 through 2-1/2 miles inclusive with ceiling equal to or greater than 200 feet.

NOTE: A percentage frequency of ".0" in these tables represents one or more occurrences amounting to less than ".05" percent.

Due to means a standard deviation do not include measurements from incomplete months.



GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AT WEATHER SERVICE/MAC

## SURFACE WINDS

### PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

STATION 0001 STATION NAME KAUI OPTICAL SITE HI NORTH TOWER YEARS 78-81 MONTH JAN

CLASS ALL WEATHER HOURS (L.S.T.) 0000-0200

CONDITION

| SPEED<br>(KNTS)<br>DIR. | 1 - 3 | 4 - 6 | 7 - 10 | 11 - 16 | 17 - 21 | 22 - 27 | 28 - 33 | 34 - 40 | 41 - 47 | 48 - 55 | ≥ 56 | %     | MEAN<br>WIND<br>SPEED |
|-------------------------|-------|-------|--------|---------|---------|---------|---------|---------|---------|---------|------|-------|-----------------------|
| N                       |       | 1.7   | 1.1    | 3.4     | .6      | .6      |         |         |         |         |      | 7.4   | 12.2                  |
| NNE                     |       | 1.7   | 1.1    | 3.4     |         | 1.1     | .6      |         |         |         |      | 8.1   | 13.6                  |
| NE                      |       | .6    | 2.3    | 5.1     | 1.1     |         |         |         |         |         |      | 9.1   | 12.1                  |
| ENE                     |       | .6    | 5.1    | 8.7     | 1.1     | .6      | .6      |         |         |         |      | 10.9  | 12.9                  |
| E                       |       |       | 1.1    | 1.1     | .1      |         |         |         |         |         |      | 3.4   | 13.7                  |
| ESE                     | .6    |       | .6     | 1.7     |         |         |         |         |         |         |      | 2.8   | 9.2                   |
| SE                      |       | .6    | 1.1    |         |         |         |         |         |         |         |      | 1.7   | 8.3                   |
| SSE                     |       | .1    |        |         |         |         |         |         |         |         |      | 1.1   | 9.1                   |
| S                       |       |       | 1.1    | .6      | .1      | 1.1     |         |         |         |         |      | 3.4   | 16.3                  |
| SSW                     | 1.1   | .7    | .6     |         |         |         |         |         |         |         |      | 3.4   | 5.3                   |
| SW                      |       | 1.1   | 1.1    | 1.7     | 2.8     | 2.3     | 1.1     | .6      |         |         |      | 10.8  | 18.7                  |
| WSW                     | .6    | 1.1   | .6     | 1.7     |         | 1.1     |         |         |         |         |      | 5.1   | 13.0                  |
| W                       |       | 2.3   |        | 2.8     |         |         |         |         |         |         |      | 2.1   | 10.1                  |
| WNW                     |       | 1.7   |        | 2.3     |         |         | .6      |         |         |         |      | 4.5   | 11.4                  |
| NW                      | .6    | 1.7   | 2.8    | 1.1     | .6      |         | 1.1     |         |         |         |      | 8.1   | 11.9                  |
| NNW                     | .6    | 1.7   | 2.8    | 2.7     | .6      | 1.7     | .6      |         |         |         |      | 10.2  | 12.9                  |
| VARBL                   |       |       |        |         |         |         |         |         |         |         |      |       |                       |
| CALM                    |       |       |        |         |         |         |         |         |         |         |      |       |                       |
|                         | 3.4   | 17.6  | 21.6   | 35.2    | 8.1     | 8.5     | 4.5     | .6      |         |         |      | 100.0 | 12.8                  |

TOTAL NUMBER OF OBSERVATIONS 176

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AF WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

STATION NAME: MAUI OPTICAL SITE HI NORTH TOWER YEARS: 78-80 MONTH: JAN  
CLASS: ALL WEATHER HOURS (L.S.T.): 0300-0500  
CONDITION:

| SPEED (KNTS)<br>DIR. | 1 - 3 | 4 - 6 | 7 - 10 | 11 - 16 | 17 - 21 | 22 - 27 | 28 - 33 | 34 - 40 | 41 - 47 | 48 - 55 | ≥ 56 | %     | MEAN<br>WIND<br>SPEED |
|----------------------|-------|-------|--------|---------|---------|---------|---------|---------|---------|---------|------|-------|-----------------------|
| N                    |       | 2.3   | .6     | .6      |         | .6      | 1.2     | 1.2     |         |         |      | 6.4   | 17.5                  |
| NNE                  | .6    | 2.3   | 1.2    | 4.6     |         | 1.7     |         |         |         |         |      | 9.8   | 12.8                  |
| NE                   |       | 1.2   | 3.5    | 4.6     | 1.2     |         |         |         |         |         |      | 11.4  | 11.4                  |
| ENE                  | .6    | 1.2   | 1.7    | 5.2     | 3.5     | 1.7     |         |         |         |         |      | 13.9  | 13.9                  |
| E                    |       | 1.7   | 1.7    |         | .6      | .6      |         |         |         |         |      | 4.6   | 13.9                  |
| ESE                  |       | .6    | 1.2    |         |         |         |         |         |         |         |      | 1.7   | 8.3                   |
| SE                   |       |       | 1.7    | .6      |         |         |         |         |         |         |      | 2.3   | 9.8                   |
| SSE                  |       | 1.2   | .6     | 1.2     |         | .6      |         |         |         |         |      | 3.5   | 11.7                  |
| S                    |       | 1.2   |        | .6      | .6      | .6      |         |         |         |         |      | 2.9   | 13.6                  |
| SSW                  | .6    | 2.3   | .6     | .6      |         | .6      |         |         |         |         |      | 4.6   | 9.8                   |
| SW                   | .6    | 1.7   |        | 2.3     | 2.3     | 1.2     |         |         |         |         |      | 8.7   | 13.7                  |
| WSW                  |       | 2.3   | .6     | 3.5     | 1.2     | .6      | .6      |         |         |         |      | 8.7   | 13.4                  |
| W                    |       |       |        | 1.3     |         | .6      |         |         |         |         |      | 2.9   | 15.6                  |
| WNW                  | 1.2   | .6    | 1.2    | .6      | .6      | .6      |         |         |         |         |      | 4.6   | 9.8                   |
| NW                   | .6    | 2.3   | .6     | 2.3     | 1.2     |         |         |         |         |         |      | 6.0   | 10.4                  |
| NNW                  |       | 1.7   | 2.3    | 2.9     | 1.7     |         |         |         |         |         |      | 8.7   | 11.4                  |
| VARBL                |       |       |        |         |         |         |         |         |         |         |      |       |                       |
| CALM                 |       |       |        |         |         |         |         |         |         |         |      |       |                       |
|                      | 4.6   | 22.5  | 17.3   | 31.2    | 12.7    | 9.2     | 1.7     | 1.2     |         |         |      | 100.0 | 12.4                  |

TOTAL NUMBER OF OBSERVATIONS 173

GLOBAL CLIMATOLOGY BRANCH  
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PERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

STATION 1091 STATION NAME MAUI OPTICAL SITE HI NORTH TOWER YEARS 78-80 MONTH JAN  
CLASS ALL WEATHER HOURS (L.S.T.) 0600-0800  
CONDITION

| SPEED<br>(KNTS)<br>DIR. | 1 - 3 | 4 - 6 | 7 - 10 | 11 - 16 | 17 - 21 | 22 - 27 | 28 - 33 | 34 - 40 | 41 - 47 | 48 - 55 | ≥ 56 | %     | MEAN<br>WIND<br>SPEED |
|-------------------------|-------|-------|--------|---------|---------|---------|---------|---------|---------|---------|------|-------|-----------------------|
| N                       | 1.2   | .6    | 1.8    | 1.6     | 1.8     | 2.4     | .6      | 1.8     |         |         |      | 11.8  | 18.3                  |
| NNE                     |       | .6    | 1.8    | 3.0     | .6      | .6      |         |         |         |         |      | 6.5   | 12.3                  |
| NE                      |       |       | 2.4    | 3.0     | .6      |         |         |         |         |         |      | 5.9   | 12.2                  |
| ENE                     |       | 2.4   | 3.0    | 4.7     | 1.2     | .6      | .6      |         |         |         |      | 12.4  | 12.4                  |
| E                       |       | 1.2   | 3.6    | 4.1     | 2.4     | .6      |         |         |         |         |      | 11.8  | 13.1                  |
| ESE                     |       |       | 1.2    |         |         |         |         |         |         |         |      | 1.2   | 10.0                  |
| SE                      |       | 1.2   | .6     |         |         |         | .6      |         |         |         |      | 2.4   | 13.0                  |
| SSE                     |       |       |        | 1.2     |         |         |         | .6      | .6      |         |      | 2.4   | 26.5                  |
| S                       |       |       |        | .6      |         | 1.8     |         |         |         |         |      | 2.4   | 21.5                  |
| SSW                     |       |       | 1.2    | .6      | .6      |         |         |         |         |         |      | 2.4   | 13.0                  |
| SW                      | 1.8   | 1.2   | 1.8    | 3.6     | 2.4     | 1.8     | .6      |         |         |         |      | 13.0  | 13.4                  |
| WSW                     | .6    | 2.4   | 1.2    | 1.2     | 1.2     |         |         |         |         |         |      | 6.5   | 9.3                   |
| W                       | .6    | .6    | .6     | 1.8     | .6      |         |         |         |         |         |      | 4.1   | 14.7                  |
| WNW                     |       | 1.2   |        |         | .6      |         |         |         |         |         |      | 1.8   | 11.3                  |
| NW                      | 1.2   | .6    | 1.2    | 1.8     | .6      | .6      |         |         |         |         |      | 5.9   | 13.7                  |
| NNW                     | .6    | 1.8   | 3.0    | 2.4     | 1.3     |         |         |         |         |         |      | 9.5   | 11.9                  |
| VARBL                   |       |       |        |         |         |         |         |         |         |         |      |       |                       |
| CALM                    |       |       |        |         |         |         |         |         |         |         |      |       |                       |
|                         | 5.9   | 13.6  | 23.1   | 29.6    | 14.2    | 3.3     | 2.4     | 2.4     | .6      |         |      | 100.0 | 13.3                  |

TOTAL NUMBER OF OBSERVATIONS 169

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
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# **SURFACE WINDS**

## **PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)**

STATION MAUI OPTICAL SITE HI NORTH TOWER YEARS 78-80 MONTH JAN

CLASS ALL WEATHER

CONDITION 1900-1100

HOURS (L.S.T.)

| SPEED<br>(KNTS)<br>DIR. | 1 - 3 | 4 - 6 | 7 - 10 | 11 - 16 | 17 - 21 | 22 - 27 | 28 - 33 | 34 - 40 | 41 - 47 | 48 - 55 | ≥ 56 | %     | MEAN<br>WIND<br>SPEED |
|-------------------------|-------|-------|--------|---------|---------|---------|---------|---------|---------|---------|------|-------|-----------------------|
| N                       | .4    |       | 2.4    | 2.4     | .6      | .6      |         | .6      |         |         |      | 7.1   | 13.8                  |
| NNE                     |       | .6    | 1.2    | 2.9     | 2.4     | 1.2     |         |         |         |         |      | 8.2   | 15.2                  |
| NE                      |       | .6    | 1.2    | 2.4     | 1.2     | 1.2     |         |         |         |         |      | 6.5   | 14.4                  |
| ENE                     | .4    | 1.9   | 2.7    | 3.5     |         | 1.2     | .6      |         |         |         |      | 10.6  | 12.1                  |
| E                       | .6    | .4    | 1.2    | 4.7     | 1.2     | 1.2     |         |         |         |         |      | 9.4   | 13.2                  |
| ESE                     |       |       | .6     |         |         | .6      |         |         |         |         |      | 1.2   | 16.5                  |
| SE                      |       |       | 1.8    |         |         |         |         |         |         |         |      | 1.8   | 9.3                   |
| SSE                     | .6    |       |        | .6      |         |         |         |         |         |         |      | 1.2   | 8.5                   |
| S                       |       | 1.8   | .6     |         | .6      | .6      |         |         |         |         |      | 3.5   | 11.2                  |
| SSW                     | .6    |       | 1.2    | .6      | 1.2     | 1.2     |         |         |         |         |      | 4.7   | 15.0                  |
| SW                      | .6    | 1.2   | 2.4    | 2.4     | 3.5     |         |         |         |         |         |      | 1.0   | 12.6                  |
| WSW                     | 2.4   | 1.2   | .6     | 2.9     | 1.2     |         |         |         |         |         |      | 9.2   | 9.1                   |
| W                       | 1.9   | 1.2   | 1.2    | 1.8     | 1.2     |         |         |         |         |         |      | 7.1   | 9.0                   |
| WNW                     | .6    |       | .6     | 1.8     |         |         |         |         |         |         |      | 2.9   | 1.4                   |
| NW                      | 1.2   | .6    | 4.7    | 2.9     |         |         |         |         |         |         |      | 9.4   | 9.1                   |
| NNW                     | .6    | 1.2   | 3.5    | 2.9     |         |         |         |         |         |         |      | 8.2   | 8.6                   |
| VARBL                   |       |       |        |         |         |         |         |         |         |         |      |       |                       |
| CALM                    |       |       |        |         |         |         |         |         |         |         |      |       |                       |
|                         | 10.7  | 12.6  | 25.9   | 31.8    | 12.9    | 7.6     | .6      | .6      |         |         |      | 103.7 | 11.6                  |

TOTAL NUMBER OF OBSERVATIONS 173

GLOBAL CLIMATOLOGY BRANCH  
USAFET-C  
AIR WEATHER SERVICE/MAC

# SURFACE WINDS

## PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

STATION MAUI OPTICAL SITE HI NORTH TOWER STATION NAME 78-80 YEARS JAN  
MONTH 1700-1400  
CLASS ALL WEATHER  
CONDITION HOURLY (L.S.T.)

| SPEED<br>(KNTS)<br>DIR. | 1 - 3 | 4 - 6 | 7 - 10 | 11 - 16 | 17 - 21 | 22 - 27 | 28 - 33 | 34 - 40 | 41 - 47 | 48 - 55 | ≥ 56 | %     | MEAN<br>WIND<br>SPEED |
|-------------------------|-------|-------|--------|---------|---------|---------|---------|---------|---------|---------|------|-------|-----------------------|
| N                       |       | .6    | 2.2    | 1.7     | .6      |         |         |         |         |         |      | 5.7   | 10.9                  |
| NNE                     |       | 1.7   | 1.1    | 2.8     | .6      |         |         |         |         |         |      | 5.1   | 10.3                  |
| NE                      |       | .6    | 2.8    | 3.9     | .6      | .6      |         |         |         |         |      | 8.4   | 12.2                  |
| ENE                     |       | .6    | 2.2    | 7.3     | 1.1     | 1.7     |         |         |         |         |      | 12.8  | 13.7                  |
| E                       |       | 7.2   | 1.1    | 1.7     | .6      | 1.1     |         |         |         |         |      | 6.7   | 12.3                  |
| ESE                     |       | .6    |        | 1.7     | 1.1     |         |         |         |         |         |      | 3.4   | 13.5                  |
| SE                      |       | .6    | 1.7    | .6      |         |         |         |         |         |         |      | 2.8   | 8.1                   |
| SSE                     |       |       | 1.1    |         |         |         |         |         |         |         |      | 1.1   | 10.0                  |
| S                       |       |       | .6     |         | .6      |         | .6      |         |         |         |      | 1.7   | 20.7                  |
| SSW                     |       |       |        | 2.8     |         |         |         |         |         |         |      | 2.8   | 12.8                  |
| SW                      | 1.1   | .6    | 2.2    | 1.7     | 2.8     | 3.9     | .6      |         |         |         |      | 12.8  | 16.9                  |
| WSW                     | .6    | .6    | .6     |         | .6      |         |         |         |         |         |      | 2.2   | 8.8                   |
| W                       | 2.2   | 2.2   | .6     | 2.8     |         |         |         |         |         |         |      | 7.8   | 7.4                   |
| WNW                     | .6    | 2.8   | 1.7    | 2.2     | .6      |         |         |         |         |         |      | 7.8   | 8.9                   |
| NW                      | .6    | 2.2   | 2.8    | 3.4     | 1.1     | .6      |         |         |         |         |      | 10.6  | 10.6                  |
| NNW                     |       | 1.1   | 3.9    | 1.7     | 1.1     |         |         |         |         |         |      | 7.8   | 11.2                  |
| VARBL                   |       |       |        |         |         |         |         |         |         |         |      |       |                       |
| CALM                    |       |       |        |         |         |         |         |         |         |         |      |       |                       |
|                         | 5.7   | 16.2  | 24.6   | 34.1    | 11.2    | 7.8     | 1.1     |         |         |         |      | 100.0 | 11.0                  |

TOTAL NUMBER OF OBSERVATIONS 170

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

# SURFACE WINDS

## PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

STATION 0001 STATION NAME MAUI OPTICAL SITE HI NORTH TOWER YEARS 78-80 MONTH JAN

CLASS ALL WEATHER

CONDITION \_\_\_\_\_

1500-1700  
HOURS (L.S.T.)

| SPEED<br>(KNTS)<br>DIR. | 1 - 3 | 4 - 6 | 7 - 10 | 11 - 16 | 17 - 21 | 22 - 27 | 28 - 33 | 34 - 40 | 41 - 47 | 48 - 55 | ≥ 56 | %     | MEAN<br>WIND<br>SPEED |
|-------------------------|-------|-------|--------|---------|---------|---------|---------|---------|---------|---------|------|-------|-----------------------|
| N                       | .5    |       | 1.6    | 3.8     | .5      |         |         |         |         |         |      | 6.6   | 11.7                  |
| NNE                     |       | .5    | 2.7    | 2.2     | .5      |         |         |         |         |         |      | 6.1   | 10.9                  |
| NE                      | .5    | 1.1   | 4.9    | 3.8     | 1.1     |         |         |         |         |         |      | 11.5  | 10.3                  |
| ENE                     |       | .5    | 2.7    | 3.8     | 2.7     | 1.6     |         |         |         |         |      | 11.5  | 14.9                  |
| E                       |       |       | 1.6    | 1.6     | .5      | .5      |         |         |         |         |      | 4.4   | 13.9                  |
| ESE                     |       |       |        | .5      | .5      |         | .5      |         |         |         |      | 1.8   | 20.3                  |
| SE                      | .1    | 1.1   |        | 1.1     |         | .5      |         |         |         |         |      | 3.8   | 9.3                   |
| SSE                     |       | 1.6   |        | 1.1     |         |         |         |         |         |         |      | 2.7   | 7.8                   |
| S                       |       | 1.1   | .5     | 1.1     |         |         |         |         |         |         |      | 2.7   | 9.0                   |
| SSW                     |       |       |        | 2.7     | .5      | .5      |         |         |         |         |      | 3.8   | 16.4                  |
| SW                      |       | .5    | 1.1    | 3.8     | 1.6     | 2.7     |         |         |         |         |      | 9.9   | 16.1                  |
| WSW                     | .5    |       | .5     |         | 2.2     |         |         |         |         |         |      | 3.3   | 14.2                  |
| W                       | 1.1   | .5    | .5     | 2.2     | 1.6     |         |         |         |         |         |      | 6.1   | 11.2                  |
| WNW                     | 1.1   | 1.6   | 1.6    | 1.1     | 2.2     |         |         |         |         |         |      | 7.7   | 10.6                  |
| NW                      |       | 2.7   | 4.4    | 4.4     | 1.1     | .5      |         |         |         |         |      | 13.2  | 10.9                  |
| NNW                     |       | 2.2   | .5     | 1.6     | .5      |         |         |         |         |         |      | 4.9   | 9.2                   |
| VARBL                   |       |       |        |         |         |         |         |         |         |         |      |       |                       |
| CALM                    |       |       |        |         |         |         |         |         |         |         |      |       |                       |
|                         | 4.0   | 13.7  | 23.1   | 35.2    | 15.9    | 6.6     | .5      |         |         |         |      | 100.0 | 12.2                  |

TOTAL NUMBER OF OBSERVATIONS 162

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
ATC WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

STATION MAUI OPTICAL SITE HI NORTH TOWER STATION NAME 78-8 YEARS JAN  
MONTH 1800-2000  
HOURS (L.S.T.)  
CLASS ALL WEATHER  
CONDITION

| SPEED<br>(KNTS)<br>DIR. | 1 - 3 | 4 - 6 | 7 - 10 | 11 - 16 | 17 - 21 | 22 - 27 | 28 - 33 | 34 - 40 | 41 - 47 | 48 - 55 | ≥ 56 | %     | MEAN<br>WIND<br>SPEED |
|-------------------------|-------|-------|--------|---------|---------|---------|---------|---------|---------|---------|------|-------|-----------------------|
| N                       | .6    | .6    | .6     | 3.3     | 1.1     | .6      |         |         |         |         |      | 8.7   | 12.7                  |
| NNE                     |       | .6    | 1.1    | 1.7     | 2.8     |         |         |         |         |         |      | 6.1   | 13.9                  |
| NE                      |       |       | 2.2    | 3.9     | 1.1     |         |         |         |         |         |      | 1.2   | 12.5                  |
| ENE                     | 1.1   | .6    | 5.1    | 7.4     | 2.2     |         |         |         |         |         |      | 18.3  | 11.8                  |
| E                       |       | .6    | 2.2    | 3.3     | 1.1     |         |         |         |         |         |      | 7.2   | 12.1                  |
| ESE                     |       |       | .6     | .6      |         |         |         |         |         |         |      | 1.1   | 1.0                   |
| SE                      | .6    |       |        | .6      | 1.1     |         |         |         |         |         |      | 2.2   | 14.0                  |
| SSE                     | .6    |       | .6     |         |         |         |         |         |         |         |      | 1.1   | 6.0                   |
| S                       | .6    | 1.7   | 1.7    | 1.1     |         |         |         |         |         |         |      | 5.0   | 7.7                   |
| SSW                     |       |       | .6     | .6      | 1.7     |         |         |         |         |         |      | 2.8   | 15.8                  |
| SW                      |       | .6    | 1.1    | 3.3     | 2.8     |         | 1.1     | .6      |         |         |      | 9.4   | 17.6                  |
| WSW                     | .6    | .6    | .6     | 1.7     | .6      | 1.1     | .6      |         |         |         |      | 5.6   | 15.2                  |
| W                       |       | 1.1   | .6     | 1.7     | .6      | 2.2     |         |         |         |         |      | 6.1   | 15.7                  |
| WNW                     |       | 2.2   | 1.1    | 1.1     | .6      | .6      |         |         |         |         |      | 5.6   | 10.9                  |
| NW                      | .6    | .6    | 2.8    | 2.2     | 3.3     | .6      |         |         |         |         |      | 11.0  | 13.1                  |
| NNW                     | .6    | 1.7   |        | 2.8     | .6      |         |         |         |         |         |      | 5.6   | 9.8                   |
| VARBL                   |       |       |        |         |         |         |         |         |         |         |      |       |                       |
| CALM                    |       |       |        |         |         |         |         |         |         |         |      |       |                       |
|                         | 5.0   | 1.0   | 21.6   | 37.2    | 19.4    | 5.0     | 1.7     | .6      |         |         |      | 100.0 | 12.0                  |

TOTAL NUMBER OF OBSERVATIONS 180

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

# **SURFACE WINDS**

## **PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)**

STATION MAUI OPTICAL SITE HI NORTH TOWER STATION NAME 78-8J YEARS JAN  
 CLASS ALL WEATHER MONTH 2100-2300  
 CONDITION HOURLY (L & T.)

| SPEED<br>(KNTS)<br>DIR. | 1 - 3 | 4 - 6 | 7 - 10 | 11 - 16 | 17 - 21 | 22 - 27 | 28 - 33 | 34 - 40 | 41 - 47 | 48 - 53 | ≥ 56 | %     | MEAN<br>WIND<br>SPEED |
|-------------------------|-------|-------|--------|---------|---------|---------|---------|---------|---------|---------|------|-------|-----------------------|
| N                       |       | 1.1   | 1.1    | 1.1     | 1.7     |         |         |         |         |         |      | 5.0   | 11.6                  |
| NNE                     | .6    |       | 1.1    | 3.9     | .6      |         |         |         |         |         |      | 6.1   | 11.6                  |
| NE                      |       | .6    | 2.8    | 7.8     | 1.7     | .6      |         |         |         |         |      | 13.3  | 12.6                  |
| ENE                     |       | .6    | 6.1    | 5.6     | .6      | 1.1     |         |         |         |         |      | 13.9  | 11.8                  |
| E                       |       |       | 1.7    | 3.3     | .6      |         |         |         |         |         |      | 5.6   | 11.7                  |
| ESE                     |       |       |        |         |         | 1.7     |         |         |         |         |      | 1.7   | 24.0                  |
| SE                      | .6    | 1.1   |        | .6      | .6      |         |         |         |         |         |      | 2.8   | 9.8                   |
| SSE                     |       |       | 1.1    | .6      |         | .6      |         |         |         |         |      | 2.2   | 14.0                  |
| S                       |       | .6    | 2.2    | .6      |         |         |         |         |         |         |      | 3.3   | 8.3                   |
| SSW                     | .6    |       |        | 1.1     | .6      | .6      |         |         |         |         |      | 2.8   | 14.6                  |
| SW                      |       |       | 1.1    | 3.9     | 2.8     | 2.2     | .6      |         |         |         |      | 11.6  | 17.7                  |
| WSW                     | .6    | 1.1   | 1.1    | 2.2     | 1.7     |         |         |         |         |         |      | 6.7   | 11.0                  |
| W                       |       | 1.1   | 1.7    | 1.7     | 1.7     |         |         |         |         |         |      | 6.1   | 11.6                  |
| WNW                     | 1.7   | 1.1   | .6     | .6      | .6      | 1.1     |         |         |         |         |      | 5.6   | 10.9                  |
| NW                      |       | 2.2   | 2.2    | .6      | 1.1     | 1.1     |         |         |         |         |      | 7.2   | 12.0                  |
| NNW                     |       | 2.2   | 1.1    | 2.8     |         | 1.1     |         |         |         |         |      | 7.2   | 12.2                  |
| VARBL                   |       |       |        |         |         |         |         |         |         |         |      |       |                       |
| CALM                    |       |       |        |         |         |         |         |         |         |         |      |       |                       |
|                         | 3.9   | 11.7  | 23.9   | 36.1    | 13.2    | 12.0    | .6      |         |         |         |      | 100.0 | 12.6                  |

TOTAL NUMBER OF OBSERVATIONS 180



GENERAL CLIMATOLOGY BRANCH  
USAFETAC  
AT WEATHER SERVICE/MAC

# SURFACE WINDS

## PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

STATION 0001 STATION NAME MAUI OPTICAL SITE HI NORTH TOWER YEARS 78-80 MONTH JAN

CLASS ALL WEATHER HOURS (L.S.T.) ALL

CONDITION \_\_\_\_\_

| SPEED<br>(KNTS)<br>DIR. | 1 - 3 | 4 - 6 | 7 - 10 | 11 - 16 | 17 - 21 | 22 - 27 | 28 - 33 | 34 - 40 | 41 - 47 | 48 - 53 | ≥ 56 | %     | MEAN<br>WIND<br>SPEED |
|-------------------------|-------|-------|--------|---------|---------|---------|---------|---------|---------|---------|------|-------|-----------------------|
| N                       | .4    | .9    | 1.4    | 2.3     | .9      | .6      | .2      | .4      |         |         |      | 7.1   | 14.0                  |
| NNE                     | .1    | 1.0   | 1.4    | 3.0     | .9      | .6      | .1      |         |         |         |      | 7.1   | 12.7                  |
| NE                      | .1    | .6    | 2.8    | 4.3     | 1.1     | .3      |         |         |         |         |      | 9.1   | 12.0                  |
| ENE                     | .3    | 1.0   | 3.6    | 6.0     | 1.6     | 1.1     | .2      |         |         |         |      | 13.7  | 12.0                  |
| E                       | .1    | .8    | 1.8    | 2.5     | 1.0     | .5      |         |         |         |         |      | 6.6   | 12.6                  |
| ESE                     | .1    | .1    | .5     | .6      | .2      | .3      | .1      |         |         |         |      | 1.8   | 13.8                  |
| SE                      | .3    | .6    | .9     | .4      | .2      | .1      | .1      |         |         |         |      | 2.5   | 10.1                  |
| SSE                     | .1    | .5    | .4     | .6      |         | .1      |         | .1      | .1      |         |      | 1.9   | 12.3                  |
| S                       | .1    | .8    | .9     | .6      | .3      | .5      | .1      |         |         |         |      | 3.1   | 12.4                  |
| SSW                     | .4    | .5    | .5     | 1.1     | .6      | .4      |         |         |         |         |      | 3.4   | 12.6                  |
| SW                      | .5    | .9    | 1.3    | 2.8     | 2.6     | 1.8     | .5      | .1      |         |         |      | 10.6  | 15.9                  |
| WSW                     | .7    | 1.1   | .7     | 1.6     | 1.1     | .4      | .1      |         |         |         |      | 5.7   | 11.7                  |
| W                       | .7    | 1.1   | .6     | 2.1     | .7      | .4      |         |         |         |         |      | 5.7   | 11.0                  |
| WNW                     | .6    | 1.4   | .9     | 1.2     | .6      | .3      | .1      |         |         |         |      | 4.1   | 10.3                  |
| NW                      | .6    | 1.6   | 2.7    | 2.3     | 1.1     | .4      | .1      |         |         |         |      | 8.9   | 11.1                  |
| NNW                     | .3    | 1.7   | 2.1    | 2.4     | .8      | .4      | .1      |         |         |         |      | 7.7   | 10.8                  |
| VAPBL                   |       |       |        |         |         |         |         |         |         |         |      |       |                       |
| CALM                    |       |       |        |         |         |         |         |         |         |         |      |       |                       |
|                         | 6.3   | 14.5  | 22.5   | 33.9    | 13.6    | 7.9     | 1.6     | .5      | .1      |         |      | 100.0 | 12.5                  |

TOTAL NUMBER OF OBSERVATIONS 1409

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

# SURFACE WINDS

## PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

STATION MAUI OPTICAL SITE HI NORTH TOWER YEARS 78-81 MONTH FEB

CLASS ALL WEATHER 1990-2000  
HOURS (L.S.T.)

CONDITION

| SPEED<br>(KNTS)<br>DIR. | 1 - 3 | 4 - 6 | 7 - 10 | 11 - 16 | 17 - 21 | 22 - 27 | 28 - 33 | 34 - 40 | 41 - 47 | 48 - 55 | ≥ 56 | %     | MEAN<br>WIND<br>SPEED |
|-------------------------|-------|-------|--------|---------|---------|---------|---------|---------|---------|---------|------|-------|-----------------------|
| N                       | .5    | .5    | 1.5    | 1.0     |         |         |         |         |         |         |      | 3.4   | 8.1                   |
| NNE                     |       | 1.5   |        | 1.5     |         | .5      |         |         |         |         |      | 3.4   | 11.4                  |
| NE                      |       | 1.0   | 1.0    | 1.0     | 1.0     | .5      |         |         |         |         |      | 4.4   | 12.0                  |
| ENE                     |       | .5    | 4.4    | 2.9     | 1.0     |         |         |         |         |         |      | 8.8   | 11.6                  |
| E                       |       | .5    | 2.9    | 2.9     | .5      |         |         |         |         |         |      | 6.8   | 10.3                  |
| ESE                     | .5    |       | 2.9    |         |         |         |         |         |         |         |      | 3.4   | 7.7                   |
| SE                      |       | 1.5   | 2.9    | 2.0     | .5      | 2.4     | .5      |         |         |         |      | 9.8   | 13.7                  |
| SSE                     |       |       | .5     | 1.5     | 2.0     | .5      | .5      | 1.0     |         |         |      | 5.9   | 20.8                  |
| S                       | 1.0   | .5    |        |         | 1.0     |         |         |         |         |         |      | 2.4   | 10.0                  |
| SSW                     | .5    | 1.0   | .5     | 1.0     |         |         |         |         |         |         |      | 2.9   | 8.2                   |
| SW                      |       | 1.5   | 2.0    | 3.4     | 1.5     | 2.0     | .5      |         |         |         |      | 10.7  | 14.9                  |
| WSW                     | .5    | .5    | 1.0    | 2.4     | 2.4     | .5      | 1.5     | .5      |         |         |      | 9.3   | 17.5                  |
| W                       |       | 2.0   | 1.0    | 1.0     |         |         |         |         |         |         |      | 3.9   | 8.1                   |
| WNW                     |       | 2.0   | 2.9    | 3.9     | .5      |         | .5      |         |         |         |      | 9.8   | 11.2                  |
| NW                      |       | .5    | 2.0    | 3.4     | 1.5     | 2.0     | .5      | .5      |         |         |      | 10.2  | 16.5                  |
| NNW                     |       | .5    | 2.0    | 2.0     | .5      |         |         |         |         |         |      | 4.9   | 11.1                  |
| VARBL                   |       |       |        |         |         |         |         |         |         |         |      |       |                       |
| CALM                    |       |       |        |         |         |         |         |         |         |         |      |       |                       |
|                         | 2.9   | 13.7  | 27.3   | 29.8    | 12.2    | 8.3     | 3.9     | 2.0     |         |         |      | 100.0 | 13.1                  |

TOTAL NUMBER OF OBSERVATIONS 205

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AFW WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)

**SURFACE WINDS**

001 MAUI OPTICAL SITE HI NORTH TOWER 78-8 FEB  
STATION NAME YEARS MONTH  
ALL WEATHER  
CLASS  
320-0500  
HOURS (L.S.T.)  
CONDITION

| SPEED<br>(KNTS)<br>DIR. | 1 - 3 | 4 - 6 | 7 - 10 | 11 - 16 | 17 - 21 | 22 - 27 | 28 - 33 | 34 - 40 | 41 - 47 | 48 - 55 | ≥ 56 | %     | MEAN<br>WIND<br>SPEED |
|-------------------------|-------|-------|--------|---------|---------|---------|---------|---------|---------|---------|------|-------|-----------------------|
| N                       |       | .5    | .5     | .5      |         |         |         |         |         |         |      | 1.5   | 8.3                   |
| NNE                     |       | .5    | 1.0    | 1.0     | .5      |         |         |         |         |         |      | 2.9   | 10.8                  |
| NE                      |       | .5    | 2.4    | 2.0     | 1.0     |         |         |         |         |         |      | 5.9   | 11.4                  |
| ENE                     |       | 1.0   | .5     | 1.0     | 3.4     | .5      |         |         |         |         |      | 6.3   | 14.5                  |
| E                       |       | .5    | 2.4    | 2.0     |         |         |         |         |         |         |      | 4.9   | 9.7                   |
| ESE                     |       | 2.0   | 2.4    | 1.5     |         |         |         |         |         |         |      | 5.9   | 9.0                   |
| SE                      | .5    | 2.9   | 1.0    | 1.0     |         | 2.0     | 1.0     |         |         |         |      | 9.3   | 13.8                  |
| SSE                     | .5    | .5    | 1.5    | 1.5     | 1.0     | 1.0     | .5      | 1.0     |         |         |      | 7.3   | 17.5                  |
| S                       |       | 1.0   | 2.0    | 1.5     | 1.0     |         |         |         |         |         |      | 5.4   | 11.2                  |
| SSW                     |       | 1.0   |        | .5      | 1.0     | .5      | .5      |         |         |         |      | 3.4   | 17.3                  |
| SW                      | .5    | .5    | 2.0    | 3.9     | 4.9     | 2.4     |         |         |         |         |      | 14.1  | 15.8                  |
| WSW                     |       | .5    | .5     | .5      | 1.5     | 1.5     |         |         |         |         |      | 4.4   | 17.3                  |
| W                       | .5    | 1.0   | 2.4    | .5      | .5      | .5      |         |         |         |         |      | 5.4   | 9.6                   |
| WNW                     | .5    | 1.5   | 1.5    | 2.4     | 2.0     |         |         | .5      |         |         |      | 8.3   | 12.9                  |
| NW                      | 1.0   | .5    | 2.9    | 2.0     | 2.9     | 1.0     | 1.0     |         |         |         |      | 11.2  | 14.7                  |
| NNW                     | 1.0   | .5    | 1.0    | 2.0     | .5      |         |         |         |         |         |      | 4.9   | 10.3                  |
| VARBL                   |       |       |        |         |         |         |         |         |         |         |      |       |                       |
| CALM                    |       |       |        |         |         |         |         |         |         |         |      |       |                       |
|                         | 4.4   | 14.5  | 23.9   | 23.4    | 21.1    | 9.3     | 2.9     | 1.5     |         |         |      | 100.0 | 13.4                  |

TOTAL NUMBER OF OBSERVATIONS 205

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

# SURFACE WINDS

## PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

STATION 0001 STATION NAME MAUI OPTICAL SITE HI NORTH TOWER YEARS 78-83 MONTH FEB  
CLASS ALL WEATHER HOURS (L & T.) 1600-0800  
CONDITION \_\_\_\_\_

| SPEED<br>(KNTS)<br>DIR. | 1 - 3 | 4 - 6 | 7 - 10 | 11 - 16 | 17 - 21 | 22 - 27 | 28 - 33 | 34 - 40 | 41 - 47 | 48 - 55 | ≥ 56 | %     | MEAN<br>WIND<br>SPEED |
|-------------------------|-------|-------|--------|---------|---------|---------|---------|---------|---------|---------|------|-------|-----------------------|
| N                       |       |       | 2.4    | 2.4     | .5      |         |         |         |         |         |      | 5.2   | 12.5                  |
| NNE                     | .5    |       | 1.4    | .9      |         | .5      |         |         |         |         |      | 3.3   | 10.9                  |
| NE                      |       | .5    | .5     |         | .5      |         |         |         |         |         |      | 1.4   | 11.7                  |
| ENE                     |       | .9    | 3.8    | 3.3     | 1.4     |         |         |         |         |         |      | 10.4  | 10.7                  |
| E                       |       |       | 1.9    | 4.3     | .9      | .5      |         |         |         |         |      | 7.6   | 13.9                  |
| ESE                     |       |       | .9     |         | .5      |         |         |         |         |         |      | 1.4   | 11.7                  |
| SE                      |       | .9    | 2.8    | .5      | .9      |         | .5      |         |         |         |      | 5.7   | 12.4                  |
| SSE                     |       |       | .5     | 1.9     | 1.7     | .9      |         | .5      |         |         |      | 5.7   | 18.5                  |
| S                       |       | .9    | .9     | 1.4     | .9      | .9      |         |         |         |         |      | 5.2   | 14.3                  |
| SSW                     |       |       | .9     |         | 1.4     | 1.4     |         |         |         |         |      | 3.8   | 17.9                  |
| SW                      |       | .5    | 2.8    | 4.7     | 4.7     | 1.4     | 2.4     | .5      |         |         |      | 17.1  | 17.8                  |
| WSW                     |       |       | 1.9    | 2.4     | .9      |         |         |         |         |         |      | 5.2   | 12.1                  |
| W                       |       | 1.9   | 1.9    |         |         |         |         |         |         |         |      | 3.8   | 6.6                   |
| WNW                     | .5    | 1.4   | .9     | 3.3     | .9      |         |         |         |         |         |      | 7.1   | 11.3                  |
| NW                      | 1.4   | .9    | 1.4    | 3.8     | 3.8     | 1.9     | .5      |         |         |         |      | 13.7  | 14.9                  |
| NNW                     |       |       | .5     | 1.9     | .9      |         |         |         |         |         |      | 3.3   | 14.3                  |
| VARBL                   |       |       |        |         |         |         |         |         |         |         |      |       |                       |
| CALM                    |       |       |        |         |         |         |         |         |         |         |      |       |                       |
|                         | 2.4   | 9.9   | 25.6   | 3.8     | 21.4    | 7.6     | 3.3     | .9      |         |         |      | 100.0 | 13.5                  |

TOTAL NUMBER OF OBSERVATIONS 211

OFFICE CLIMATOLOGY BRANCH  
AFETAC  
AIR WEATHER SERVICE/MAC

# SURFACE WINDS

## PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

1601 STATION MAUI OPTICAL SITE HI NORTH TOWER 78-80 YEARS FEB MONTH  
 ALL WEATHER CLASS 1960-1990 HOURS (L.S.T.)  
 CONDITION

| SPEED<br>(KNTS)<br>DIR. | 1 - 3 | 4 - 6 | 7 - 10 | 11 - 16 | 17 - 21 | 22 - 27 | 28 - 33 | 34 - 40 | 41 - 47 | 48 - 55 | ≥ 56 | %     | MEAN<br>WIND<br>SPEED |
|-------------------------|-------|-------|--------|---------|---------|---------|---------|---------|---------|---------|------|-------|-----------------------|
| N                       |       | 1.1   | 1.0    | 2.4     |         |         |         |         |         |         |      | 5.3   | 9.8                   |
| NNE                     |       | 1.1   | 1.4    | .5      |         |         |         |         |         |         |      | 2.9   | 8.2                   |
| NW                      |       | 1.1   | 2.4    | 1.0     |         |         |         |         |         |         |      | 4.3   | 8.7                   |
| ENE                     |       | 1.1   | 3.3    | 4.8     | 1.0     |         |         |         |         |         |      | 10.0  | 11.1                  |
| E                       |       | .5    | 2.4    | 2.4     | 1.4     | 1.0     |         |         |         |         |      | 7.7   | 13.7                  |
| ESE                     |       |       | 1.9    | 1.4     | 1.0     |         |         |         |         |         |      | 4.3   | 11.8                  |
| SE                      |       |       | 1.9    | 1.4     | .5      |         | .5      |         |         |         |      | 4.3   | 13.6                  |
| SSE                     |       |       | .5     | 2.9     | 1.9     | 1.0     | .5      |         |         |         |      | 6.7   | 17.2                  |
| S                       |       |       | .5     | .5      | 1.4     | 1.0     |         | 1.0     |         |         |      | 4.3   | 23.1                  |
| SSW                     |       | 1.9   | .5     | 1.4     | 1.0     | 1.4     | .5      |         |         |         |      | 6.7   | 15.1                  |
| SW                      |       | .5    | 3.8    | 2.9     | 3.8     | 1.9     | 1.4     | .5      |         |         |      | 14.8  | 16.9                  |
| WSW                     | .5    | .5    | 1.4    | 2.4     | 1.4     |         |         |         |         |         |      | 6.2   | 12.5                  |
| W                       | 1.1   | 2.4   | 1.0    | .5      | .5      |         |         |         |         |         |      | 5.3   | 7.4                   |
| WNW                     |       | .5    | 1.4    |         | .5      | 1.4     |         |         |         |         |      | 3.8   | 15.3                  |
| NW                      | 1.4   | .5    | 3.3    | 2.4     | 1.0     | 1.4     | .5      |         |         |         |      | 11.5  | 13.1                  |
| NNW                     |       | .5    | .5     | .5      | .5      |         |         |         |         |         |      | 1.9   | 10.8                  |
| VARBL                   |       |       |        |         |         |         |         |         |         |         |      |       |                       |
| CALM                    |       |       |        |         |         |         |         |         |         |         |      |       |                       |
|                         | 2.9   | 11.1  | 29.2   | 27.3    | 16.7    | 9.1     | 3.3     | 1.4     |         |         |      | 100.0 | 13.5                  |

TOTAL NUMBER OF OBSERVATIONS 209

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
ATC WEATHER SERVICE/MAC

## SURFACE WINDS

### PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

STATION 0001 STATION NAME MAUI OPTICAL SITE HI NORTH TOWER YEARS 78-80 MONTH FEB  
 CLASS ALL WEATHER HOURS (L & T.) 1230-1400  
 CONDITION \_\_\_\_\_

| SPEED<br>(KNTS)<br>DIR. | 1 - 3 | 4 - 6 | 7 - 10 | 11 - 16 | 17 - 21 | 22 - 27 | 28 - 33 | 34 - 40 | 41 - 47 | 48 - 55 | ≥ 56 | %     | MEAN<br>WIND<br>SPEED |
|-------------------------|-------|-------|--------|---------|---------|---------|---------|---------|---------|---------|------|-------|-----------------------|
| N                       |       | .5    | .9     | 1.4     | .5      |         |         |         |         |         |      | 3.3   | 10.7                  |
| NNE                     | .5    | 1.9   | 2.3    |         |         |         |         |         |         |         |      | 4.7   | 6.3                   |
| NE                      | .5    | .5    | 3.7    | 1.4     |         |         |         |         |         |         |      | 6.1   | 8.7                   |
| ENE                     | .5    | .5    | 2.3    | 1.9     | .9      |         |         |         |         |         |      | 6.1   | 10.5                  |
| E                       |       |       | 1.9    | 1.9     | .9      |         |         |         |         |         |      | 4.7   | 12.5                  |
| ESE                     |       | .5    | .9     | 1.4     | .9      | .5      |         |         |         |         |      | 4.2   | 13.3                  |
| SE                      |       | .5    | .9     | .9      | .5      | .5      |         |         |         |         |      | 5.3   | 13.4                  |
| SSE                     |       |       | .5     | 1.4     | 1.4     | 1.4     | .5      | .5      |         |         |      | 5.6   | 20.5                  |
| S                       | .5    | .5    | .9     | 1.4     | .5      | .5      | .5      |         |         |         |      | 4.7   | 13.8                  |
| SSW                     |       | .9    | .5     | 1.9     | .9      |         |         |         |         |         |      | 4.2   | 12.1                  |
| SW                      | .9    | 1.4   | 2.3    | 1.9     | 2.8     | .5      | 2.3     | .9      |         |         |      | 13.1  | 16.6                  |
| WSW                     |       | .9    | 2.8    | .9      | 1.4     | .5      | 1.4     |         |         |         |      | 7.9   | 14.8                  |
| W                       | .5    | 1.9   | 1.9    | 2.3     | .5      | .5      |         |         |         |         |      | 7.5   | 9.8                   |
| WNW                     | 1.4   | .9    | .9     | 2.3     |         |         |         |         |         |         |      | 5.6   | 9.7                   |
| NW                      | .9    | 3.3   | 2.3    | 1.9     | .9      | 2.3     | 1.9     | .5      |         |         |      | 14.0  | 14.7                  |
| NNW                     | .5    | 1.4   | 1.9    | .5      | .5      | .5      |         |         |         |         |      | 5.1   | 10.3                  |
| VARBL                   |       |       |        |         |         |         |         |         |         |         |      |       |                       |
| CALM                    |       |       |        |         |         |         |         |         |         |         |      |       |                       |
|                         | 6.1   | 15.4  | 27.1   | 23.4    | 12.5    | 7.0     | 6.5     | 1.9     |         |         |      | 100.0 | 12.9                  |

TOTAL NUMBER OF OBSERVATIONS 214

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

# SURFACE WINDS

## PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

001  
STATION

MAUI OPTICAL SITE HI NORTH TOWER  
STATION NAME

78-84  
YEARS

FER  
NORTH

ALL WEATHER  
CLASS

151 (1-1700)  
HOURS (L.S.T.)

CONDITION

| SPEED<br>(KNTS)<br>DIR. | 1 - 3 | 4 - 6 | 7 - 10 | 11 - 16 | 17 - 21 | 22 - 27 | 28 - 33 | 34 - 40 | 41 - 47 | 48 - 55 | ≥ 56 | %     | MEAN<br>WIND<br>SPEED |
|-------------------------|-------|-------|--------|---------|---------|---------|---------|---------|---------|---------|------|-------|-----------------------|
| N                       | .5    | .5    | 1.4    | 2.8     |         |         |         |         |         |         |      | 5.2   | 12.5                  |
| NNE                     |       | 1.4   | .9     | .5      |         |         |         |         |         |         |      | 2.2   | 8.7                   |
| NE                      | .7    | .9    | 2.8    | 1.4     |         |         |         |         |         |         |      | 6.1   | 9.8                   |
| ENE                     |       | 1.9   | 3.8    | 3.3     |         |         |         |         |         |         |      | 8.9   | 9.7                   |
| E                       |       | .5    | 2.3    | .9      | .5      | .5      |         |         |         |         |      | 4.7   | 11.2                  |
| ESE                     |       | .9    | .9     | .9      |         |         |         |         |         |         |      | 2.8   | 9.7                   |
| SE                      |       | .5    | .9     | .5      |         | .5      |         | .5      |         |         |      | 2.8   | 15.5                  |
| SSE                     | .5    |       |        | 1.9     | 1.9     | 1.4     | .5      | .5      |         |         |      | 6.6   | 19.6                  |
| S                       |       |       | .9     | .9      | 1.4     |         |         |         |         |         |      | 3.3   | 14.9                  |
| SSW                     | .5    |       | .9     | 1.4     |         | .5      |         |         |         |         |      | 3.3   | 12.0                  |
| SW                      | .9    | .9    | 2.3    | 2.8     | 3.3     | 2.3     |         |         |         |         |      | 12.7  | 14.3                  |
| WSW                     | .5    | .9    | 1.9    | 1.9     | .9      | .5      |         | .5      |         |         |      | 7.0   | 13.1                  |
| W                       | .5    | 1.9   | 2.8    | 3.3     | .9      | .5      | .5      |         |         |         |      | 10.3  | 11.8                  |
| WNW                     | .5    | 1.9   | 4.2    | 2.8     | 1.9     | .5      |         |         |         |         |      | 11.7  | 10.9                  |
| NW                      | .5    | 1.4   | 1.4    | 2.3     | .9      | 1.9     | .9      |         |         |         |      | 9.4   | 14.9                  |
| NNW                     |       |       | .5     | .9      |         | .9      |         |         |         |         |      | 2.3   | 16.2                  |
| VARBL                   |       |       |        |         |         |         |         |         |         |         |      |       |                       |
| CALM                    |       |       |        |         |         |         |         |         |         |         |      |       |                       |
|                         | 5.2   | 13.6  | 28.2   | 28.6    | 11.7    | 9.4     | 1.9     | 1.4     |         |         |      | 100.0 | 12.6                  |

TOTAL NUMBER OF OBSERVATIONS

213

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

## SURFACE WINDS

### PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

0001 MAUI OPTICAL SITE HI NORTH TOWER 78-80 FEB  
STATION STATION NAME YEARS MONTH  
ALL WEATHER  
CLASS  
CONDITION  
1800-2000  
HOURS (L.S.T.)

| SPEED<br>(KNTS)<br>DIR. | 1 - 3 | 4 - 6 | 7 - 10 | 11 - 16 | 17 - 21 | 22 - 27 | 28 - 33 | 34 - 40 | 41 - 47 | 48 - 55 | ≥ 56 | %     | MEAN<br>WIND<br>SPEED |
|-------------------------|-------|-------|--------|---------|---------|---------|---------|---------|---------|---------|------|-------|-----------------------|
| N                       |       | .5    | 1.0    | 1.4     | 1.0     |         |         |         |         |         |      | 3.8   | 12.6                  |
| NNE                     |       | 1.9   | 1.0    | 1.0     | .5      | .5      |         |         |         |         |      | 4.8   | 10.4                  |
| NE                      | .5    | .5    | 1.0    | 3.3     |         |         |         |         |         |         |      | 5.2   | 10.6                  |
| ENE                     |       |       | 5.7    | 2.9     |         |         |         |         |         |         |      | 8.6   | 9.4                   |
| E                       |       | 1.0   | 1.9    | 1.0     |         |         |         |         |         |         |      | 3.8   | 9.3                   |
| ESE                     |       |       | 1.4    | 1.9     | 1.0     |         |         |         |         |         |      | 4.3   | 13.3                  |
| SE                      | .5    |       | 1.0    | 2.4     | .5      | .5      |         |         |         |         |      | 4.8   | 12.7                  |
| SSE                     |       | 1.4   | 1.0    | 1.9     | 1.0     | 1.4     |         |         |         |         |      | 6.7   | 14.1                  |
| S                       | 1.0   | .5    | 1.4    | 2.4     | 1.0     |         |         |         |         |         |      | 6.2   | 11.0                  |
| SSW                     |       | .5    |        | .5      | .5      | .5      |         |         |         |         |      | 1.9   | 14.3                  |
| SW                      | .5    | 1.4   | 1.9    | 1.9     | 1.9     | 2.9     | .5      |         |         |         |      | 11.0  | 15.7                  |
| WSW                     | 1.0   | 1.0   | 1.0    | 3.3     | 1.0     | .5      |         |         |         |         |      | 7.6   | 11.8                  |
| W                       |       | .5    | 1.9    | 1.4     | 2.4     | 1.0     | .5      |         |         |         |      | 7.6   | 15.9                  |
| WNW                     |       |       | 1.4    | 2.4     | .5      | 1.0     |         |         |         |         |      | 5.2   | 13.5                  |
| NW                      |       | .5    | 2.4    | 5.7     | 1.9     | 2.4     | 1.0     |         |         |         |      | 13.8  | 15.7                  |
| NNW                     | 1.0   | 1.0   | 1.0    | 1.4     | .5      |         |         |         |         |         |      | 4.8   | 9.3                   |
| VARBL                   |       |       |        |         |         |         |         |         |         |         |      |       |                       |
| CALM                    |       |       |        |         |         |         |         |         |         |         |      |       |                       |
|                         | 4.3   | 10.5  | 24.8   | 34.8    | 13.3    | 10.5    | 1.9     |         |         |         |      | 100.0 | 12.9                  |

TOTAL NUMBER OF OBSERVATIONS 210



GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

# SURFACE WINDS

## PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

0001 MAUI OPTICAL SITE HI NORTH TOWER 78-80 FEB  
STATION STATION NAME YEARS MONTH  
ALL WEATHER  
CLASS  
CONDITION  
2100-2300  
HOURS (L.S.T.)

| SPEED<br>(KNTS)<br>DIR. | 1-3 | 4-6  | 7-10 | 11-16 | 17-21 | 22-27 | 28-33 | 34-40 | 41-47 | 48-55 | ≥56 | %     | MEAN<br>WIND<br>SPEED |
|-------------------------|-----|------|------|-------|-------|-------|-------|-------|-------|-------|-----|-------|-----------------------|
| N                       |     | 1.7  | .5   | 1.0   |       |       |       |       |       |       |     | 2.4   | 9.4                   |
| NNE                     |     | .5   | 1.9  | 1.4   |       |       |       |       |       |       |     | 3.8   | 9.4                   |
| NE                      |     | .5   | 1.0  | 1.9   | 1.4   |       |       |       |       |       |     | 4.8   | 14.3                  |
| ENE                     |     | 1.9  | 6.2  | 3.4   | .5    |       |       |       |       |       |     | 12.0  | 9.9                   |
| E                       | 1.7 | .5   | 2.4  | 2.9   |       | .5    |       |       |       |       |     | 7.2   | 10.5                  |
| ESE                     |     | 1.0  | 1.9  |       | .5    | .5    |       |       |       |       |     | 3.8   | 11.4                  |
| SE                      |     | 1.0  | .5   | .5    | 1.9   | 1.0   |       |       |       |       |     | 4.8   | 16.1                  |
| SSE                     |     | 1.0  | 1.9  |       | .5    |       |       | 1.0   |       |       |     | 4.3   | 14.6                  |
| S                       | 1.0 |      | .5   | 2.9   | 1.4   | .5    |       |       |       |       |     | 6.2   | 13.1                  |
| SSW                     |     |      | 1.0  | 1.0   | .5    |       | .5    |       |       |       |     | 2.9   | 15.5                  |
| SW                      |     | 1.7  | 1.4  | 3.4   | 3.4   | 1.0   |       |       |       |       |     | 10.1  | 14.9                  |
| WSW                     |     | 1.7  | 1.0  | 2.4   | 1.7   | .5    |       |       |       |       |     | 5.8   | 13.3                  |
| W                       |     | 1.0  | 1.4  |       | 1.0   | 1.0   | .5    |       |       |       |     | 4.8   | 14.2                  |
| WNW                     |     | .5   | 2.4  | 2.9   | 1.7   | 1.4   |       |       |       |       |     | 8.2   | 13.8                  |
| NW                      |     |      | 4.3  | 2.9   | 1.0   | 1.9   | 1.9   |       |       |       |     | 12.0  | 16.9                  |
| NNW                     |     | 1.4  | .5   | 4.3   | .5    |       |       |       |       |       |     | 6.7   | 12.4                  |
| VARBL                   |     |      |      |       |       |       |       |       |       |       |     |       |                       |
| CALM                    |     |      |      |       |       |       |       |       |       |       |     |       |                       |
|                         | 1.9 | 12.3 | 28.8 | 37.8  | 14.4  | 8.2   | 2.9   | 1.0   |       |       |     | 100.0 | 13.3                  |

TOTAL NUMBER OF OBSERVATIONS 206

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

0001 MAUI OPTICAL SITE HI NORTH TOWER 78-80 FEB  
STATION STATION NAME YEARS MONTH  
ALL WEATHER  
CLASS  
CONDITION  
ALL  
HOURS (L.S.T.)

| SPEED<br>(KNTS)<br>DIR. | 1-3 | 4-6  | 7-10 | 11-16 | 17-21 | 22-27 | 28-33 | 34-40 | 41-47 | 48-55 | ≥56 | %     | MEAN<br>WIND<br>SPEED |
|-------------------------|-----|------|------|-------|-------|-------|-------|-------|-------|-------|-----|-------|-----------------------|
| N                       | .1  | .5   | 1.1  | 1.6   | .2    |       |       |       |       |       |     | 3.8   | 11.6                  |
| NNE                     | .1  | 1.1  | 1.3  | .8    | .1    | .2    |       |       |       |       |     | 3.6   | 9.4                   |
| NE                      | .2  | .7   | 1.9  | 1.5   | .5    | .1    |       |       |       |       |     | 4.8   | 10.6                  |
| ENE                     | .1  | 1.1  | 3.8  | 2.9   | 1.1   | .1    |       |       |       |       |     | 8.9   | 10.7                  |
| E                       | .1  | .4   | 2.3  | 2.3   | .5    | .3    |       |       |       |       |     | 5.9   | 11.7                  |
| ESE                     | .1  | .5   | 1.7  | .9    | .5    | .1    |       |       |       |       |     | 3.8   | 10.9                  |
| SE                      | .1  | .9   | 1.5  | 1.1   | .6    | .3    | .3    | .1    |       |       |     | 5.4   | 13.8                  |
| SSE                     | .1  | .4   | .8   | 1.6   | 1.4   | 1.0   | .3    | .5    |       |       |     | 6.1   | 17.9                  |
| S                       | .4  | .4   | .9   | 1.4   | 1.1   | .4    | .1    | .1    |       |       |     | 4.7   | 13.8                  |
| SSW                     | .1  | .7   | .5   | 1.0   | .7    | .5    | .2    |       |       |       |     | 3.6   | 14.2                  |
| SW                      | .4  | 1.1  | 2.3  | 3.1   | 3.3   | 1.3   | .9    | .2    |       |       |     | 13.0  | 16.0                  |
| WSW                     | .3  | .7   | 1.4  | 2.0   | 1.3   | .5    | .4    | .1    |       |       |     | 6.7   | 14.1                  |
| W                       | .3  | 1.6  | 1.8  | 1.1   | .7    | .4    | .2    |       |       |       |     | 6.1   | 11.0                  |
| WNW                     | .4  | 1.1  | 2.0  | 2.5   | .9    | .5    | .1    | .1    |       |       |     | 7.5   | 12.0                  |
| NW                      | .7  | 1.0  | 2.5  | 3.0   | 1.9   | 1.9   | 1.0   | .1    |       |       |     | 12.0  | 15.2                  |
| NNW                     | .3  | .7   | 1.0  | 1.7   | .5    | .2    |       |       |       |       |     | 4.2   | 11.5                  |
| VARBL                   |     |      |      |       |       |       |       |       |       |       |     |       |                       |
| CALM                    |     |      |      |       |       |       |       |       |       |       |     |       |                       |
|                         | 3.5 | 12.5 | 26.7 | 28.6  | 15.2  | 8.7   | 3.3   | 1.3   |       |       |     | 100.0 | 13.2                  |

TOTAL NUMBER OF OBSERVATIONS 1675

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

# SURFACE WINDS

## PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

STATION 0001 STATION NAME MAUI OPTICAL SITE HI NORTH TOWER YEARS 78-79 MONTH MAR

CLASS ALL WEATHER HOURS (L.S.T.) 0000-0200

CONDITION \_\_\_\_\_

| SPEED (KNTS) DIR. | 1-3 | 4-6  | 7-10 | 11-16 | 17-21 | 22-27 | 28-33 | 34-40 | 41-47 | 48-55 | ≥56 | %     | MEAN WIND SPEED |
|-------------------|-----|------|------|-------|-------|-------|-------|-------|-------|-------|-----|-------|-----------------|
| N                 | 1.1 | .6   | .6   | 2.3   | .6    |       |       |       |       |       |     | 5.1   | 10.7            |
| NNE               | .6  |      | .6   | .6    | .6    |       |       |       |       |       |     | 2.3   | 9.5             |
| NE                | .6  | 3.4  | 3.4  | 4.0   |       | 1.1   |       |       |       |       |     | 12.5  | 10.4            |
| ENE               | .6  | 2.3  | 9.7  | 5.1   | 1.1   | 1.7   |       |       |       |       |     | 20.5  | 11.4            |
| E                 | .6  | .6   | 2.3  | 4.0   | 4.5   | 1.7   |       |       |       |       |     | 13.6  | 14.3            |
| ESE               |     | .6   | .6   | 2.8   | 1.7   | 2.3   |       |       |       |       |     | 8.0   | 17.2            |
| SE                | .6  | .6   | .6   | 1.1   |       |       |       |       |       |       |     | 2.8   | 8.8             |
| SSE               |     | 1.1  | .6   |       |       |       |       |       |       |       |     | 1.7   | 6.3             |
| S                 | .6  | 1.1  | .6   |       |       |       |       |       |       |       |     | 2.3   | 5.5             |
| SSW               | 1.1 | .6   | .6   |       | .6    | 1.1   | 1.1   |       |       |       |     | 5.1   | 16.0            |
| SW                |     | .6   |      | .6    |       | .6    | .6    | .6    | .6    |       |     | 3.4   | 25.0            |
| WSW               |     | 1.1  |      |       |       | 1.1   | .6    |       |       |       |     | 2.8   | 17.8            |
| W                 | .6  |      | 1.1  | 1.1   |       |       | .6    |       |       |       |     | 3.4   | 12.7            |
| WNW               | .6  | .6   | .6   | .6    |       |       |       |       |       |       |     | 2.3   | 6.5             |
| NW                | .6  |      | 1.1  | 1.1   | 2.3   |       |       |       |       |       |     | 5.1   | 13.4            |
| NNW               |     | 1.7  | 1.7  | 4.5   | 1.1   |       |       |       |       |       |     | 9.1   | 16.9            |
| VARBL             |     |      |      |       |       |       |       |       |       |       |     |       |                 |
| CALM              |     |      |      |       |       |       |       |       |       |       |     |       |                 |
|                   | 7.4 | 14.8 | 23.9 | 27.8  | 12.5  | 9.7   | 2.8   | .6    | .6    |       |     | 100.0 | 12.6            |

TOTAL NUMBER OF OBSERVATIONS 176

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

## SURFACE WINDS

### PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

STATION 0001 MAUI OPTICAL SITE HI NORTH TOWER STATION NAME 78-79 YEARS MAR MONTH  
CLASS ALL WEATHER 0300-0500 HOURS (L.S.T.)  
CONDITION

| SPEED (KNTS) DIR. | 1 - 3 | 4 - 6 | 7 - 10 | 11 - 16 | 17 - 21 | 22 - 27 | 28 - 33 | 34 - 40 | 41 - 47 | 48 - 55 | ≥ 56 | %     | MEAN WIND SPEED |
|-------------------|-------|-------|--------|---------|---------|---------|---------|---------|---------|---------|------|-------|-----------------|
| N                 | 1.2   | .6    | 1.7    | .6      | .6      |         |         |         |         |         |      | 4.6   | 8.8             |
| NNE               |       | .6    | 2.9    |         | .6      |         |         |         |         |         |      | 4.0   | 10.0            |
| NE                |       | .6    | 2.3    | 3.5     |         | .6      |         |         |         |         |      | 6.9   | 11.8            |
| ENE               |       | 3.5   | 6.4    | 5.2     | 3.5     | 1.7     |         |         |         |         |      | 20.2  | 11.9            |
| E                 | .6    | .6    | 2.3    | 4.6     | 2.3     | 1.7     |         |         |         |         |      | 12.1  | 13.8            |
| ESE               | .6    | 2.9   | 1.7    | 2.3     | 1.7     | 2.9     | .6      |         |         |         |      | 12.7  | 15.1            |
| SE                |       | .6    | 3.5    | .6      |         | .6      |         |         |         |         |      | 5.2   | 9.7             |
| SSE               | .6    |       | .6     |         |         |         |         |         |         |         |      | 1.2   | 4.5             |
| S                 | .6    |       |        |         |         |         |         |         |         |         |      | .6    | 2.0             |
| SSW               |       | .6    | 1.2    |         |         | 1.2     |         | 1.7     |         |         |      | 4.6   | 22.1            |
| SW                |       |       | .6     |         |         | .6      | 1.2     |         |         |         |      | 2.3   | 23.8            |
| WSW               | .6    |       |        |         | .6      | 1.7     |         |         |         |         |      | 2.9   | 19.6            |
| W                 | 1.7   | .6    | .6     |         | .6      | .6      | .6      |         |         |         |      | 4.6   | 11.5            |
| WNW               | .6    | 1.2   | .6     | .6      |         |         |         |         |         |         |      | 2.9   | 7.4             |
| NW                | 1.2   | 1.2   | .6     | .6      | 2.9     | .6      |         |         |         |         |      | 6.9   | 12.3            |
| NNW               |       | .6    | 2.9    | 4.0     | .6      |         |         |         |         |         |      | 8.1   | 11.7            |
| VARBL             |       |       |        |         |         |         |         |         |         |         |      |       |                 |
| CALM              |       |       |        |         |         |         |         |         |         |         |      |       |                 |
|                   | 7.5   | 13.3  | 27.7   | 22.2    | 13.3    | 12.1    | 2.3     | 1.7     |         |         |      | 100.0 | 12.9            |

TOTAL NUMBER OF OBSERVATIONS 173

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC:  
AIP WEATHER SERVICE/MAC

# SURFACE WINDS

## PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

0001 MAUI OPTICAL SITE HI NORTH TOWER 78-79 MAR  
STATION NAME YEARS  
ALL WEATHER  
CLASS  
CONDITION  
0600-0600  
HOURS (L.S.T.)

| SPEED<br>(KNTS)<br>DIR. | 1-3 | 4-6  | 7-10 | 11-16 | 17-21 | 22-27 | 28-33 | 34-40 | 41-47 | 48-55 | ≥56 | %     | MEAN<br>WIND<br>SPEED |
|-------------------------|-----|------|------|-------|-------|-------|-------|-------|-------|-------|-----|-------|-----------------------|
| N                       | .6  | 1.2  | 2.9  | 4.0   |       |       |       |       |       |       |     | 8.7   | 11.1                  |
| NNE                     |     | 1.2  | 2.3  | 2.3   |       |       |       |       |       |       |     | 5.8   | 10.5                  |
| NE                      | 1.2 |      | .6   | 1.2   | 2.3   | 1.2   |       |       |       |       |     | 6.4   | 15.0                  |
| ENE                     | 1.2 | 1.7  | 2.9  | 5.2   | 1.7   | 1.7   |       |       |       |       |     | 14.5  | 12.4                  |
| E                       |     | 4.0  | 6.9  | 3.5   | 1.7   | .6    | .6    |       |       |       |     | 17.3  | 10.8                  |
| ESE                     | .6  | 2.3  | 5.2  | 2.9   | 2.9   | 1.7   |       |       |       |       |     | 15.6  | 12.1                  |
| SE                      | .6  | .6   | 2.3  | .6    | .6    |       |       |       |       |       |     | 4.6   | 9.8                   |
| SSE                     | .6  |      | 1.2  |       |       |       |       |       |       |       |     | 1.7   | 5.7                   |
| S                       |     |      | .6   |       |       |       |       |       |       |       |     | .6    | 7.0                   |
| SSW                     |     |      |      |       |       | .6    | 1.2   | .6    |       |       |     | 2.3   | 30.5                  |
| SW                      | .6  | .6   |      |       |       |       | 2.3   |       |       |       |     | 3.5   | 20.7                  |
| WSW                     |     | 1.2  |      |       |       | 1.2   | .6    |       |       |       |     | 2.9   | 18.0                  |
| W                       |     | 1.2  |      |       | .6    | .6    |       | .6    |       |       |     | 2.9   | 18.6                  |
| WNW                     | 1.2 | .6   |      |       | 1.7   |       |       |       |       |       |     | 3.5   | 10.7                  |
| NW                      | .6  | 1.2  | .6   | 2.3   | 2.3   |       |       |       |       |       |     | 6.9   | 12.3                  |
| NNW                     |     |      | .6   | 2.3   |       |       |       |       |       |       |     | 2.9   | 11.6                  |
| VARBL                   |     |      |      |       |       |       |       |       |       |       |     |       |                       |
| CALM                    |     |      |      |       |       |       |       |       |       |       |     |       |                       |
|                         | 6.9 | 15.6 | 26.0 | 24.3  | 13.9  | 7.5   | 4.6   | 1.2   |       |       |     | 100.0 | 12.6                  |

TOTAL NUMBER OF OBSERVATIONS 173

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

# SURFACE WINDS

## PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

0001  
STATION

MAUI OPTICAL SITE HI NORTH TOWER  
STATION NAME

78-79  
YEARS

MAR  
MONTH

ALL WEATHER  
CLASS

0900-1100  
HOURS (L.S.T.)

CONDITION

| SPEED<br>(KNTS)<br>DIR. | 1-3  | 4-6  | 7-10 | 11-16 | 17-21 | 22-27 | 28-33 | 34-40 | 41-47 | 48-55 | ≥56 | %     | MEAN<br>WIND<br>SPEED |
|-------------------------|------|------|------|-------|-------|-------|-------|-------|-------|-------|-----|-------|-----------------------|
| N                       | 1.7  | 1.7  | .6   | 2.8   | 2.3   | .6    |       |       |       |       |     | 9.7   | 11.5                  |
| NNE                     | .5   | 1.1  | 1.7  | .6    | 1.1   |       |       |       |       |       |     | 5.1   | 9.3                   |
| NE                      | .6   | 2.8  | 2.3  | 1.7   | 2.8   | .6    |       |       |       |       |     | 10.8  | 10.9                  |
| ENE                     | .6   | 1.1  | 3.4  | 2.8   | 1.1   | 1.7   |       |       |       |       |     | 10.8  | 12.7                  |
| E                       |      | 1.7  | 1.7  | 6.8   | 1.1   | .6    |       |       |       |       |     | 11.9  | 13.1                  |
| ESE                     |      | 1.7  | .6   | 4.5   | 1.7   | 2.8   |       |       |       |       |     | 11.4  | 15.5                  |
| SE                      | .6   | .6   | 1.7  | .6    | 1.1   | .6    |       |       |       |       |     | 5.1   | 12.1                  |
| SSE                     | .6   | 1.1  | 1.7  |       |       |       |       |       |       |       |     | 3.4   | 5.3                   |
| S                       | .6   |      | .6   |       | .6    |       | .6    |       |       |       |     | 2.3   | 14.5                  |
| SSW                     |      |      | .6   | .6    |       |       |       | 1.1   | .6    |       |     | 2.8   | 29.2                  |
| SW                      | .6   |      |      |       |       | 1.1   | .6    | .6    |       |       |     | 2.8   | 24.8                  |
| WSW                     |      |      |      |       | 1.1   |       | .6    |       |       |       |     | 1.7   | 22.0                  |
| W                       | 1.1  |      |      | .6    |       |       |       |       |       |       |     | 1.7   | 6.3                   |
| WNW                     | 3.4  | 1.1  | .6   | 1.7   |       |       |       |       |       |       |     | 6.8   | 6.5                   |
| NW                      | 1.7  | .6   | 2.3  | 2.3   |       | 1.7   |       |       |       |       |     | 8.5   | 12.1                  |
| NNW                     | 2.3  | 1.7  | .6   |       | .6    |       |       |       |       |       |     | 5.1   | 6.2                   |
| VARBL                   |      |      |      |       |       |       |       |       |       |       |     |       |                       |
| CALM                    |      |      |      |       |       |       |       |       |       |       |     |       |                       |
|                         | 14.2 | 15.3 | 18.2 | 25.0  | 13.6  | 9.7   | 1.7   | 1.7   | .6    |       |     | 100.0 | 12.4                  |

TOTAL NUMBER OF OBSERVATIONS

176

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

0001 MAUI OPTICAL SITE HI NORTH TOWER 78-79  
STATION STATION NAME YEARS  
ALL WEATHER  
CLASS  
CONDITION  
MAR  
MONTH  
1200-1400  
HOURS (L.S.T.)

| SPEED<br>(KNTS)<br>DIR. | 1 - 3 | 4 - 6 | 7 - 10 | 11 - 16 | 17 - 21 | 22 - 27 | 28 - 33 | 34 - 40 | 41 - 47 | 48 - 55 | ≥ 56 | %     | MEAN<br>WIND<br>SPEED |
|-------------------------|-------|-------|--------|---------|---------|---------|---------|---------|---------|---------|------|-------|-----------------------|
| N                       |       | .6    | .6     | 1.7     | 2.2     | .6      |         |         |         |         |      | 5.6   | 14.3                  |
| NNE                     |       | 3.4   | 3.9    | 1.1     |         |         |         |         |         |         |      | 8.4   | 7.9                   |
| NE                      |       |       | 6.2    | 2.2     | 1.1     | .6      |         |         |         |         |      | 10.1  | 11.0                  |
| ENE                     |       | 1.7   | 1.1    | 2.8     | 3.4     | 1.7     |         |         |         |         |      | 10.7  | 14.7                  |
| E                       | .6    | 2.2   | 2.8    | 3.9     | 2.8     | 1.1     |         |         |         |         |      | 13.5  | 12.9                  |
| ESE                     | .6    | 1.1   | 1.7    | 2.8     | .6      | 2.8     |         |         |         |         |      | 9.6   | 14.2                  |
| SE                      | .6    |       | 1.1    |         |         | .6      |         |         |         |         |      | 2.2   | 11.0                  |
| SSE                     | 1.1   | 1.7   | 1.1    |         |         |         |         |         |         |         |      | 3.9   | 5.1                   |
| S                       | .6    |       | 1.1    |         |         | .6      |         |         |         |         |      | 3.2   | 11.6                  |
| SSW                     |       | .6    |        | .6      |         | .6      |         | .6      |         |         |      | 2.2   | 20.5                  |
| SW                      |       | .6    | .6     | .6      |         |         | 1.1     | 1.7     | .6      |         |      | 5.1   | 26.1                  |
| WSW                     | .6    | .6    | .6     |         |         |         |         |         |         |         |      | 1.7   | 5.7                   |
| W                       | 1.1   | 2.2   | 1.1    |         | .6      |         |         |         |         |         |      | 5.1   | 6.7                   |
| WNW                     | 1.7   | .6    | 1.1    | 1.1     |         |         | .6      |         |         |         |      | 5.1   | 8.6                   |
| NW                      |       | 2.8   | 1.1    | 2.2     | .6      | 1.7     |         |         |         |         |      | 8.4   | 12.3                  |
| NNW                     | .6    | 1.1   | 1.1    | 2.8     | .6      |         |         |         |         |         |      | 6.2   | 10.3                  |
| VARBL                   |       |       |        |         |         |         |         |         |         |         |      |       |                       |
| CALM                    |       |       |        |         |         |         |         |         |         |         |      |       |                       |
|                         | 2.3   | 19.1  | 25.3   | 21.9    | 11.8    | 10.1    | 1.7     | 2.2     | .6      |         |      | 100.0 | 12.3                  |

TOTAL NUMBER OF OBSERVATIONS 178

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

## SURFACE WINDS

### PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

0001 MAUI OPTICAL SITE HI NORTH TOWER 78-80 MAR  
STATION NAME YEARS MONTH  
ALL WEATHER  
CLASS  
CONDITION  
1500-1700  
HOURS (L.S.T.)

| SPEED<br>(KNTS)<br>DIR. | 1 - 3 | 4 - 6 | 7 - 10 | 11 - 16 | 17 - 21 | 22 - 27 | 28 - 33 | 34 - 40 | 41 - 47 | 48 - 55 | ≥ 56 | %     | MEAN<br>WIND<br>SPEED |
|-------------------------|-------|-------|--------|---------|---------|---------|---------|---------|---------|---------|------|-------|-----------------------|
| N                       |       | 1.1   | 2.2    | 1.1     | .6      |         |         |         |         |         |      | 5.0   | 9.2                   |
| NNE                     |       | 1.7   | .6     | 2.2     | .6      |         |         |         |         |         |      | 5.0   | 10.0                  |
| NE                      | .6    | 1.1   | 7.3    | 1.7     | 1.1     | .6      |         |         |         |         |      | 12.3  | 10.2                  |
| ENE                     | .6    | .6    | 2.8    | 2.2     | 2.2     | 1.1     |         |         |         |         |      | 9.5   | 13.0                  |
| E                       | .6    |       | 1.7    | 3.4     | 5.0     | 1.1     |         |         |         |         |      | 11.7  | 15.5                  |
| ESE                     |       |       | .6     | 1.7     |         | 2.8     |         |         |         |         |      | 5.0   | 19.6                  |
| SE                      |       |       | 1.7    |         | .6      |         |         |         |         |         |      | 2.2   | 11.5                  |
| SSE                     |       | 1.7   | 1.1    |         |         |         |         |         |         |         |      | 2.6   | 6.6                   |
| S                       |       | .6    |        |         |         |         |         |         |         |         |      | .6    | 4.0                   |
| SSW                     |       | 1.1   |        | .6      |         | 1.7     |         |         |         | .6      |      | 3.9   | 22.0                  |
| SW                      | 1.1   | 3.9   | 1.1    | 1.1     |         |         | .6      | 1.7     | .6      |         |      | 10.1  | 15.1                  |
| WSW                     | .6    | 1.1   |        |         |         |         |         | .6      |         |         |      | 2.2   | 12.0                  |
| W                       | 1.1   | 1.1   |        |         |         |         |         |         |         |         |      | 2.2   | 3.3                   |
| WNW                     |       | 2.2   | 1.1    | 1.1     |         | .6      |         | .6      |         |         |      | 5.6   | 12.1                  |
| NW                      | 1.1   | 2.8   | .6     | 3.4     | 1.1     | 1.1     |         |         |         |         |      | 10.1  | 11.2                  |
| NNW                     | .6    | 2.2   | 3.4    | 2.2     | 2.2     | .6      |         |         |         |         |      | 11.2  | 10.9                  |
| VARBL                   |       |       |        |         |         |         |         |         |         |         |      |       |                       |
| CALM                    |       |       |        |         |         |         |         |         |         |         |      | .6    |                       |
|                         | 6.1   | 21.2  | 24.0   | 20.7    | 13.4    | 9.5     | .6      | 2.8     | .6      | .6      |      | 100.0 | 12.5                  |

TOTAL NUMBER OF OBSERVATIONS 179



GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

# SURFACE WINDS

## PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

0001 MAUI OPTICAL SITE HI NORTH TOWER 78-79 MAR  
STATION STATION NAME YEARS MONTH  
ALL WEATHER  
CLASS  
1800-2000  
HOURS (L.S.T.)  
CONDITION

| SPEED<br>(KNTS)<br>DIR. | 1 - 3 | 4 - 6 | 7 - 10 | 11 - 16 | 17 - 21 | 22 - 27 | 28 - 33 | 34 - 40 | 41 - 47 | 48 - 55 | ≥ 56 | %     | MEAN<br>WIND<br>SPEED |
|-------------------------|-------|-------|--------|---------|---------|---------|---------|---------|---------|---------|------|-------|-----------------------|
| N                       | .6    | 1.7   | 4.0    | 4.5     | .6      | .6      |         |         |         |         |      | 11.9  | 11.0                  |
| NNE                     |       | 1.1   | 2.3    | 1.1     |         |         |         |         |         |         |      | 4.5   | 9.3                   |
| NE                      | .6    |       | 4.5    | 2.8     |         | 1.7     |         |         |         |         |      | 9.7   | 11.9                  |
| NNE                     |       | 1.7   | 4.5    | 4.5     | 2.3     | 1.1     |         |         |         |         |      | 14.2  | 12.0                  |
| E                       |       | 1.1   | 2.3    | 4.0     | 2.3     | 3.4     |         |         |         |         |      | 13.1  | 15.7                  |
| ESE                     |       | .6    |        | 1.1     | 1.7     | .6      |         |         |         |         |      | 4.0   | 16.7                  |
| SE                      | 1.1   | 1.7   |        | 1.7     |         | .6      |         |         |         |         |      | 5.1   | 9.2                   |
| SSE                     | 1.1   |       | 1.1    | .6      |         |         |         |         |         |         |      | 2.8   | 6.8                   |
| S                       | .6    | .6    | .6     |         |         |         |         |         |         |         |      | 1.7   | 5.3                   |
| SSW                     | 1.7   | 1.1   |        |         |         | 2.3     | .6      |         |         |         |      | 5.7   | 14.7                  |
| SW                      | 1.7   | .6    | 1.7    | .6      |         |         | 1.1     | 2.3     |         |         |      | 8.0   | 18.4                  |
| WSW                     |       |       |        |         |         |         | .6      |         |         |         |      | .6    | 28.0                  |
| W                       | 1.7   | 1.1   |        |         |         |         |         |         |         |         |      | 2.8   | 3.8                   |
| WNW                     | 1.1   |       |        | 1.1     |         | .6      | .6      |         |         |         |      | 3.4   | 13.8                  |
| NW                      | 1.7   | 1.1   | 3.4    |         | 2.3     |         |         |         |         |         |      | 8.5   | 10.3                  |
| NNW                     |       | .6    | .6     | .6      | .6      | 1.7     |         |         |         |         |      | 4.0   | 17.1                  |
| VARBL                   |       |       |        |         |         |         |         |         |         |         |      |       |                       |
| CALM                    |       |       |        |         |         |         |         |         |         |         |      |       |                       |
|                         | 11.9  | 13.1  | 25.0   | 22.7    | 9.7     | 12.5    | 2.8     | 2.3     |         |         |      | 100.0 | 12.7                  |

TOTAL NUMBER OF OBSERVATIONS 176

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

## SURFACE WINDS

### PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

STATION CGO1 MAUI OPTICAL SITE HI NORTH TOWER 78-79 YEARS MAR  
STATION NAME NORTH  
ALL WEATHER  
CLASS  
CONDITION  
2100-2300  
HOURS (L.S.T.)

| SPEED<br>(KNTS)<br>DIR. | 1 - 3 | 4 - 6 | 7 - 10 | 11 - 16 | 17 - 21 | 22 - 27 | 28 - 33 | 34 - 40 | 41 - 47 | 48 - 55 | ≥ 56 | %     | MEAN<br>WIND<br>SPEED |
|-------------------------|-------|-------|--------|---------|---------|---------|---------|---------|---------|---------|------|-------|-----------------------|
| N                       |       | .6    |        | 2.3     | 1.1     | 1.1     |         |         |         |         |      | 5.1   | 16.1                  |
| NNE                     |       | 1.1   | 1.7    | 2.8     |         |         |         |         |         |         |      | 5.6   | 10.1                  |
| NE                      |       | 1.1   | 2.8    | 2.8     | .6      | 1.7     |         |         |         |         |      | 9.0   | 12.8                  |
| ENE                     |       | 2.3   | 6.2    | 6.2     | 2.8     | .6      |         |         |         |         |      | 18.1  | 11.9                  |
| E                       |       | 1.1   | 2.8    | 5.1     | 2.8     | .6      | 1.1     |         |         |         |      | 13.6  | 14.6                  |
| ESE                     |       | .6    | 1.7    | .6      | 1.1     | 2.3     | .6      |         |         |         |      | 6.8   | 17.3                  |
| SE                      |       | 1.1   | 1.1    | 1.7     | 1.1     |         |         |         |         |         |      | 5.1   | 17.1                  |
| SSE                     | .6    | 1.1   |        |         |         |         |         |         |         |         |      | 1.7   | 4.0                   |
| S                       | .6    | .6    |        |         |         |         |         |         |         |         |      | 1.1   | 4.0                   |
| SSW                     |       | 2.3   | .6     |         |         | 1.1     | 1.1     | .6      |         |         |      | 5.6   | 16.9                  |
| SW                      |       |       | 1.1    | .6      |         | 1.1     | .6      | 1.1     |         |         |      | 4.5   | 21.8                  |
| WSW                     |       | .6    |        |         |         |         | .6      |         | .6      |         |      | 1.7   | 24.7                  |
| W                       | .6    | 1.1   | .6     |         |         |         |         |         |         |         |      | 2.3   | 5.0                   |
| WNW                     | 1.7   | .6    | .6     |         |         |         |         |         |         |         |      | 2.8   | 4.4                   |
| NW                      | 1.7   | .6    | 1.1    | .6      | 3.4     |         |         |         |         |         |      | 7.3   | 11.9                  |
| NNW                     | 1.1   | 3.4   | 1.7    | 1.1     | 2.3     |         |         |         |         |         |      | 9.6   | 9.9                   |
| VARBL                   |       |       |        |         |         |         |         |         |         |         |      |       |                       |
| CALM                    |       |       |        |         |         |         |         |         |         |         |      |       |                       |
|                         | 6.2   | 18.1  | 22.1   | 23.7    | 15.3    | 8.5     | 4.3     | 1.7     | .6      |         |      | 100.0 | 12.9                  |

TOTAL NUMBER OF OBSERVATIONS 177

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

# SURFACE WINDS

## PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

0001 MAUI OPTICAL SITE HI NORTH TOWER 78-80  
STATION STATION NAME YEARS  
ALL WEATHER  
CLASS  
CONDITION  
MAP MONTH  
ALL HOURS (L.S.T.)

| SPEED<br>(KNTS)<br>DIR. | 1 - 3 | 4 - 6 | 7 - 10 | 11 - 16 | 17 - 21 | 22 - 27 | 28 - 33 | 34 - 40 | 41 - 47 | 48 - 55 | ≥ 56 | %     | MEAN<br>WIND<br>SPEED |
|-------------------------|-------|-------|--------|---------|---------|---------|---------|---------|---------|---------|------|-------|-----------------------|
| N                       | .6    | 1.0   | 1.6    | 2.4     | 1.0     | .4      |         |         |         |         |      | 7.0   | 11.4                  |
| NNE                     | .1    | 1.3   | 2.0    | 1.3     | .4      |         |         |         |         |         |      | 5.1   | 9.4                   |
| NE                      | .4    | 1.1   | 3.7    | 2.5     | 1.0     | 1.0     |         |         |         |         |      | 7.7   | 11.5                  |
| ENE                     | .4    | 1.8   | 4.6    | 4.3     | 2.3     | 1.4     |         |         |         |         |      | 14.8  | 12.3                  |
| E                       | .3    | 1.4   | 2.8    | 4.4     | 2.8     | 1.3     | .2      |         |         |         |      | 13.4  | 13.7                  |
| ESE                     | .2    | 1.2   | 1.5    | 2.3     | 1.4     | 2.3     | .1      |         |         |         |      | 9.1   | 15.2                  |
| SE                      | .4    | .6    | 1.5    | .8      | .4      | .3      |         |         |         |         |      | 4.0   | 10.4                  |
| SSE                     | .6    | .9    | .9     | .1      |         |         |         |         |         |         |      | 2.4   | 5.6                   |
| S                       | .4    | .4    | .4     |         | .1      | .1      | .1      |         |         |         |      | 1.4   | 8.1                   |
| SSW                     | .4    | .8    | .4     | .2      | .1      | 1.1     | .5      | .6      | .1      | .1      |      | 4.0   | 20.0                  |
| SW                      | .5    | .8    | .6     | .4      |         | .4      | 1.0     | 1.0     | .2      |         |      | 5.0   | 20.5                  |
| WSW                     | .2    | .6    | .1     |         | .2      | .5      | .4      | .1      | .1      |         |      | 2.1   | 17.6                  |
| W                       | 1.0   | .9    | .4     | .2      | .2      | .1      | .1      | .1      |         |         |      | 3.1   | 8.9                   |
| WNW                     | 1.3   | .9    | .6     | .8      | .2      | .1      | .1      | .1      |         |         |      | 4.0   | 8.9                   |
| NW                      | 1.1   | 1.3   | 1.3    | 1.6     | 1.8     | .6      |         |         |         |         |      | 7.7   | 11.9                  |
| NNW                     | .6    | 1.4   | 1.6    | 2.2     | 1.1     | .3      |         |         |         |         |      | 7.0   | 10.8                  |
| VARBL                   |       |       |        |         |         |         |         |         |         |         |      |       |                       |
| CALM                    |       |       |        |         |         |         |         |         |         |         |      | .1    |                       |
|                         | 8.5   | 16.3  | 24.0   | 23.5    | 12.9    | 9.9     | 2.6     | 1.8     | .4      | .1      |      | 100.0 | 12.6                  |

TOTAL NUMBER OF OBSERVATIONS 1408

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

## SURFACE WINDS

### PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

0001 MAUI OPTICAL SITE HI NORTH TOWER 78-79 APR  
STATION NAME YEARS MONTH  
ALL WEATHER  
CLASS  
CONDITION  
0000-0200  
HOURS (L.S.T.)

| SPEED<br>(KNTS)<br>DIR. | 1 - 3 | 4 - 6 | 7 - 10 | 11 - 16 | 17 - 21 | 22 - 27 | 28 - 33 | 34 - 40 | 41 - 47 | 48 - 55 | ≥ 56 | %     | MEAN<br>WIND<br>SPEED |
|-------------------------|-------|-------|--------|---------|---------|---------|---------|---------|---------|---------|------|-------|-----------------------|
| N                       |       |       |        |         |         |         |         |         |         |         |      |       |                       |
| NNE                     |       | .7    | .7     |         |         |         |         |         |         |         |      | 1.5   | 7.5                   |
| NE                      |       |       | 3.7    | 2.2     |         |         |         |         |         |         |      | 5.9   | 9.9                   |
| ENE                     |       | 1.5   | 5.9    | 6.7     | 3.7     | .7      | .7      |         |         |         |      | 19.3  | 13.2                  |
| E                       |       |       | 2.2    | 5.2     | 3.7     | .7      |         |         |         |         |      | 11.9  | 14.7                  |
| ESE                     |       | 1.5   | 1.5    | .7      | .7      |         |         |         |         |         |      | 4.4   | 9.7                   |
| SE                      |       |       | .7     | 2.2     |         |         |         |         |         |         |      | 3.0   | 11.5                  |
| SSE                     |       |       | .7     | 3.0     | .7      |         |         |         |         |         |      | 4.4   | 14.0                  |
| S                       |       |       | .7     |         | 2.2     | .7      | 1.5     | .7      |         |         |      | 5.9   | 23.3                  |
| SSW                     |       | .7    |        | 3.7     | 3.7     | 1.5     | .7      |         |         |         |      | 10.4  | 17.4                  |
| SW                      |       | 2.2   | 1.5    | 5.2     | 3.7     |         |         |         |         |         |      | 11.9  | 13.1                  |
| WSW                     | 1.5   | .7    | 1.5    |         | .7      | 1.5     |         |         |         |         |      | 5.9   | 12.4                  |
| W                       | 1.5   |       | .7     | 2.2     |         | .7      |         |         |         |         |      | 5.2   | 11.6                  |
| WNW                     |       |       |        |         | .7      |         |         |         |         |         |      | .7    | 20.0                  |
| NW                      | 2.2   | 1.5   | 1.5    | .7      | .7      |         |         |         |         |         |      | 6.7   | 7.4                   |
| NNW                     |       | 1.5   | 1.5    |         |         |         |         |         |         |         |      | 3.0   | 6.8                   |
| VARBL                   |       |       |        |         |         |         |         |         |         |         |      |       |                       |
| CALM                    |       |       |        |         |         |         |         |         |         |         |      |       |                       |
|                         | 5.2   | 10.4  | 23.0   | 31.9    | 20.1    | 5.9     | 3.0     | .7      |         |         |      | 100.0 | 13.3                  |

TOTAL NUMBER OF OBSERVATIONS 135

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AFH WEATHER SERVICE/MAC

# SURFACE WINDS

## PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

STATION 001 STATION NAME MAUI OPTICAL SITE HI NORTH TOWER YEARS 78-79 MONTH APR

CLASS ALL WEATHER HOURS (L.S.T.) 0300-0500

CONDITION \_\_\_\_\_

| SPEED<br>(KNTS)<br>DIR. | 1-3 | 4-6  | 7-10 | 11-16 | 17-21 | 22-27 | 28-33 | 34-40 | 41-47 | 48-55 | ≥56 | %     | MEAN<br>WIND<br>SPEED |
|-------------------------|-----|------|------|-------|-------|-------|-------|-------|-------|-------|-----|-------|-----------------------|
| N                       | .7  | 1.5  |      | .7    |       |       |       |       |       |       |     | 3.0   | 5.8                   |
| NNE                     |     | .7   |      |       |       |       |       |       |       |       |     | .7    | 6.0                   |
| NE                      | .7  | 1.5  |      | 1.5   |       |       |       |       |       |       |     | 3.7   | 7.8                   |
| ENE                     |     | 3.7  | 6.7  | 2.2   | 6.7   | 1.5   |       |       |       |       |     | 20.7  | 13.7                  |
| E                       |     |      | 2.2  | 4.4   | 3.7   |       |       |       |       |       |     | 9.6   | 13.6                  |
| ESE                     |     |      | .7   |       | .7    |       |       |       |       |       |     | 1.5   | 13.0                  |
| SE                      | .7  | 1.5  |      | 1.5   | .7    |       |       |       |       |       |     | 4.4   | 10.5                  |
| SSE                     |     |      | 1.5  | 3.7   |       |       | .7    |       | .7    |       |     | 6.7   | 16.8                  |
| S                       |     |      | .7   | 1.5   | 1.5   |       | 1.5   |       |       |       |     | 5.2   | 19.6                  |
| SSW                     | .7  |      |      | 1.5   | 3.7   | 2.2   | .7    |       |       |       |     | 8.1   | 19.3                  |
| SW                      | 2.2 | .7   | 2.2  | 5.2   | 3.7   | .7    |       |       |       |       |     | 14.1  | 11.8                  |
| WSW                     |     | .7   | 3.0  | 1.5   | .7    |       |       |       |       |       |     | 5.9   | 9.6                   |
| W                       | 1.5 |      | .7   | 1.5   | .7    | .7    | .7    |       |       |       |     | 5.9   | 13.9                  |
| WNW                     | .7  |      | .7   |       |       |       |       |       |       |       |     | 1.5   | 5.0                   |
| NW                      | .7  | 1.5  | .7   |       | 2.2   |       |       |       |       |       |     | 5.2   | 11.1                  |
| NNW                     |     | .7   | 1.5  | 1.5   |       |       |       |       |       |       |     | 3.7   | 8.2                   |
| VARBL                   |     |      |      |       |       |       |       |       |       |       |     |       |                       |
| CALM                    |     |      |      |       |       |       |       |       |       |       |     |       |                       |
|                         | 8.1 | 12.6 | 20.7 | 26.7  | 22.2  | 5.2   | 3.7   |       | .7    |       |     | 100.0 | 12.9                  |

TOTAL NUMBER OF OBSERVATIONS 135

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

# SURFACE WINDS

## PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

0001  
STATION

MAUI OPTICAL SITE HI NORTH TOWER  
STATION NAME

78-79  
YEARS

APR  
MONTH

ALL WEATHER  
CLASS

0600-0800  
HOURS (L.S.T.)

CONDITION

| SPEED<br>(KNTS)<br>DIR. | 1-3 | 4-6 | 7-10 | 11-16 | 17-21 | 22-27 | 28-33 | 34-40 | 41-47 | 48-55 | ≥56 | %     | MEAN<br>WIND<br>SPEED |
|-------------------------|-----|-----|------|-------|-------|-------|-------|-------|-------|-------|-----|-------|-----------------------|
| N                       | .7  | .7  | 1.5  | 1.5   |       |       |       |       |       |       |     | 4.5   | 8.5                   |
| NNE                     |     | .7  |      | .7    |       |       |       |       |       |       |     | 1.5   | 8.0                   |
| NE                      |     | 2.2 | 5.2  | 3.0   |       |       |       |       |       |       |     | 10.4  | 8.6                   |
| NNE                     |     | 1.5 | 6.7  | 2.2   | 3.7   | 2.2   | 1.5   |       |       |       |     | 17.9  | 14.7                  |
| E                       | .7  |     | .7   | 3.7   | 1.5   | 1.5   | .7    |       |       |       |     | 9.0   | 17.3                  |
| ESE                     | .7  |     |      | .7    |       |       |       |       |       |       |     | 1.5   | 8.0                   |
| SE                      |     |     |      | .7    | 2.2   | .7    |       |       |       |       |     | 3.7   | 19.8                  |
| SSE                     |     |     | 1.5  | 1.5   |       |       |       |       |       |       |     | 3.0   | 11.0                  |
| S                       |     |     |      | 2.2   | 3.7   | 1.5   |       | .7    |       |       |     | 8.2   | 19.6                  |
| SSW                     |     |     | .7   | .7    | 1.5   | 2.2   | .7    |       |       |       |     | 6.0   | 19.9                  |
| SW                      | .7  | .7  | 3.0  | 1.5   |       | 3.7   | .7    |       |       |       |     | 10.4  | 15.9                  |
| WSW                     |     | 2.2 | .7   | 5.2   | .7    |       |       |       |       |       |     | 9.0   | 11.0                  |
| W                       | 1.5 | .7  | 1.5  | .7    |       | 2.2   |       |       |       |       |     | 6.7   | 12.9                  |
| WNW                     | .7  |     | .7   |       |       |       |       |       |       |       |     | 1.5   | 6.0                   |
| NW                      |     |     | 2.2  |       |       |       |       |       |       |       |     | 2.2   | 9.3                   |
| NNW                     | .7  | .7  | 2.2  | .7    |       |       |       |       |       |       |     | 4.5   | 8.3                   |
| VARBL                   |     |     |      |       |       |       |       |       |       |       |     |       |                       |
| CALM                    |     |     |      |       |       |       |       |       |       |       |     |       |                       |
|                         | 6.0 | 9.7 | 26.9 | 25.4  | 13.4  | 14.2  | 3.7   | .7    |       |       |     | 100.0 | 13.7                  |

TOTAL NUMBER OF OBSERVATIONS

134

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)

**SURFACE WINDS**

001 STATION MAUI OPTICAL SITE HI NORTH TOWER 78-79 YEARS APR MONTH  
ALL WEATHER CLASS 0900-1100 HOURS (L.S.T.)  
CONDITION

| SPEED<br>(KNTS)<br>DIR. | 1 - 3 | 4 - 6 | 7 - 10 | 11 - 16 | 17 - 21 | 22 - 27 | 28 - 33 | 34 - 40 | 41 - 47 | 48 - 55 | ≥ 56 | %     | MEAN<br>WIND<br>SPEED |
|-------------------------|-------|-------|--------|---------|---------|---------|---------|---------|---------|---------|------|-------|-----------------------|
| N                       |       | .8    | 1.6    | 1.6     |         |         |         |         |         |         |      | 3.9   | 8.4                   |
| NNE                     | .8    |       |        | .8      |         |         |         |         |         |         |      | 1.6   | 8.5                   |
| NE                      |       | .8    | 3.9    | 4.7     |         |         |         |         |         |         |      | 2.3   | 10.3                  |
| ENE                     |       |       | 3.1    | 7.3     | 2.3     | 1.6     | .8      |         |         |         |      | 15.5  | 14.6                  |
| E                       |       | 1.6   | .8     | .8      | 1.6     |         |         |         |         |         |      | 4.7   | 12.2                  |
| ESE                     | 1.6   | .8    |        | 1.6     | 1.6     |         |         |         |         |         |      | 5.4   | 10.1                  |
| SE                      |       |       | 2.3    | 2.3     |         |         |         |         |         |         |      | 4.7   | 11.3                  |
| SSE                     |       | .8    | .8     | 1.6     |         | .8      |         |         |         |         |      | 3.9   | 13.0                  |
| S                       |       | .8    | 1.6    | 2.3     | 5.4     |         | .8      |         |         |         |      | 10.9  | 16.2                  |
| SSW                     |       | .8    |        | .8      | 1.6     | .8      | 1.6     |         |         |         |      | 5.4   | 20.4                  |
| SW                      | .8    | 1.6   | 2.3    |         | 2.3     | 1.6     | .8      |         |         |         |      | 9.3   | 14.7                  |
| WSW                     |       | 1.6   | 1.6    | .8      |         |         |         |         |         |         |      | 3.9   | 8.6                   |
| W                       |       | .8    | 3.1    | .8      | 1.6     |         |         |         |         |         |      | 6.2   | 11.4                  |
| WNW                     | .8    | 3.1   | 2.3    | .8      |         | .8      |         |         |         |         |      | 7.8   | 8.3                   |
| NW                      | .8    | 3.1   | 2.3    |         |         |         |         |         |         |         |      | 6.2   | 5.9                   |
| NNW                     |       |       | 1.6    |         |         |         |         |         |         |         |      | 1.6   | 8.5                   |
| VARBL                   |       |       |        |         |         |         |         |         |         |         |      |       |                       |
| CALM                    |       |       |        |         |         |         |         |         |         |         |      |       |                       |
|                         | 4.7   | 16.3  | 27.1   | 26.4    | 16.3    | 5.4     | 3.9     |         |         |         |      | 100.0 | 12.2                  |

TOTAL NUMBER OF OBSERVATIONS 129

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

## SURFACE WINDS

### PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

0001 MAUI OPTICAL SITE HI NORTH TOWER 78-79 APR  
STATION STATION NAME YEARS MONTH  
ALL WEATHER  
CLASS  
CONDITION  
1200-1400  
HOURS (L.S.T.)

| SPEED<br>(KNTS)<br>DIR. | 1 - 3 | 4 - 6 | 7 - 10 | 11 - 16 | 17 - 21 | 22 - 27 | 28 - 33 | 34 - 40 | 41 - 47 | 48 - 55 | ≥ 56 | %     | MEAN<br>WIND<br>SPEED |
|-------------------------|-------|-------|--------|---------|---------|---------|---------|---------|---------|---------|------|-------|-----------------------|
| N                       |       |       | .8     | 1.6     |         |         |         |         |         |         |      | 2.3   | 9.7                   |
| NNE                     | .8    |       | 3.1    |         |         |         |         |         |         |         |      | 3.9   | 6.6                   |
| NE                      |       | 3.1   | 3.1    |         | .8      |         |         |         |         |         |      | 7.0   | 7.9                   |
| ENE                     |       | 1.6   | 4.7    | 5.4     |         |         |         |         |         |         |      | 11.6  | 10.3                  |
| E                       |       | .8    | 2.3    | 2.3     | 1.6     | 2.3     |         |         |         |         |      | 9.3   | 15.2                  |
| ESE                     |       | 2.3   | .8     |         | .8      |         |         |         |         |         |      | 3.9   | 9.2                   |
| SE                      |       | .8    | .8     | 2.3     |         |         |         |         |         |         |      | 3.9   | 9.4                   |
| SSE                     |       | .8    | 2.3    | 5.4     | .8      |         |         |         |         |         |      | 9.3   | 11.6                  |
| S                       |       | 2.3   |        | 1.6     |         | 1.6     |         | .8      |         |         |      | 6.2   | 16.4                  |
| SSW                     | .8    | 3.1   | 2.3    | 2.3     | 4.7     |         |         |         |         |         |      | 13.2  | 12.2                  |
| SW                      |       | .8    | 1.6    | 2.3     | 1.6     | 1.6     | .8      |         |         |         |      | 8.5   | 15.6                  |
| WSW                     |       |       | .8     | 1.6     |         |         |         |         |         |         |      | 2.3   | 12.3                  |
| W                       | 1.6   | 3.9   |        | 1.6     |         |         |         |         |         |         |      | 7.0   | 6.6                   |
| WNW                     |       | 1.6   | 1.6    |         | 1.6     |         |         |         |         |         |      | 4.7   | 11.0                  |
| NW                      | .8    | .8    |        | .8      | .8      |         |         |         |         |         |      | 3.1   | 9.8                   |
| NNW                     |       | 1.6   | 1.6    | .8      |         |         |         |         |         |         |      | 3.9   | 7.4                   |
| VARBL                   |       |       |        |         |         |         |         |         |         |         |      |       |                       |
| CALM                    |       |       |        |         |         |         |         |         |         |         |      |       |                       |
|                         | 3.9   | 23.3  | 25.6   | 27.9    | 12.4    | 5.4     | .8      | .8      |         |         |      | 100.0 | 11.2                  |

TOTAL NUMBER OF OBSERVATIONS 129



GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

# SURFACE WINDS

## PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

STATION 0001 MAUI OPTICAL SITE HI NORTH TOWER 78-79 APR NORTH  
STATION NAME YEARS  
ALL WEATHER CLASS 1500-1700 HOURS (L.S.T.)  
CONDITION

| SPEED<br>(KNTS)<br>DIR. | 1-3 | 4-6  | 7-10 | 11-16 | 17-21 | 22-27 | 28-33 | 34-40 | 41-47 | 48-55 | ≥56 | %     | MEAN<br>WIND<br>SPEED |
|-------------------------|-----|------|------|-------|-------|-------|-------|-------|-------|-------|-----|-------|-----------------------|
| N                       | .8  | 2.3  | 1.6  | .8    |       |       |       |       |       |       |     | 5.4   | 6.6                   |
| NNE                     |     | 2.3  | 2.3  | 1.6   |       |       |       |       |       |       |     | 6.2   | 8.1                   |
| NE                      |     | .8   | 2.3  | 3.1   |       |       |       |       |       |       |     | 6.2   | 10.1                  |
| ENE                     |     | .8   | .8   |       | .8    |       |       |       |       |       |     | 2.3   | 10.0                  |
| E                       | .8  | .8   |      | 4.7   | 3.1   | 1.6   |       |       |       |       |     | 10.9  | 15.3                  |
| ESE                     | .8  |      | 3.1  | .8    |       |       |       |       |       |       |     | 4.7   | 8.3                   |
| SE                      | .8  |      | 1.6  |       |       |       |       |       |       |       |     | 2.3   | 6.0                   |
| SSE                     |     | .8   | 2.3  | 1.6   |       |       |       | .8    |       |       |     | 5.4   | 13.3                  |
| S                       |     |      | 4.7  | 1.6   | 1.6   | .8    |       | .8    | .8    |       |     | 10.1  | 16.5                  |
| SSW                     |     |      | .8   | 3.9   |       | 1.6   | 1.6   |       |       |       |     | 7.8   | 18.1                  |
| SW                      |     |      | .8   | 1.6   | 3.9   | 3.9   |       |       |       |       |     | 10.1  | 18.2                  |
| WSW                     |     | 1.6  |      | .8    |       |       |       |       |       |       |     | 2.3   | 6.7                   |
| W                       | 1.6 | 2.3  | .8   |       | .8    |       |       |       |       |       |     | 5.4   | 6.6                   |
| WNW                     |     | 3.1  | 3.9  | .8    |       |       |       |       |       |       |     | 7.8   | 7.5                   |
| NW                      |     | 2.3  | 2.3  | .8    | .8    |       |       |       |       |       |     | 6.2   | 9.4                   |
| NNW                     | 1.6 | 1.6  | 1.6  | 2.3   |       |       |       |       |       |       |     | 7.0   | 7.8                   |
| VARBL                   |     |      |      |       |       |       |       |       |       |       |     |       |                       |
| CALM                    |     |      |      |       |       |       |       |       |       |       |     |       |                       |
|                         | 6.2 | 18.6 | 28.7 | 24.0  | 10.9  | 7.8   | 1.6   | 1.6   | .8    |       |     | 100.0 | 11.8                  |

TOTAL NUMBER OF OBSERVATIONS 129

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

# **SURFACE WINDS**

## **PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)**

0001 MAUI OPTICAL SITE HI NORTH TOWER 78-79 APR  
STATION NAME YEARS  
ALL WEATHER  
CLASS  
CONDITION  
1800-2400  
HOURS (L.S.T.)

| SPEED<br>(KNTS)<br>DIR. | 1-3 | 4-6 | 7-10 | 11-16 | 17-21 | 22-27 | 28-33 | 34-40 | 41-47 | 48-55 | ≥56 | %     | MEAN<br>WIND<br>SPEED |
|-------------------------|-----|-----|------|-------|-------|-------|-------|-------|-------|-------|-----|-------|-----------------------|
| N                       | .8  | .8  | .8   | 2.3   |       |       |       |       |       |       |     | 4.6   | 8.3                   |
| NNE                     | .8  | 1.5 | 3.8  |       | .8    |       |       |       |       |       |     | 6.9   | 7.9                   |
| NE                      |     | .8  | 3.1  | 1.5   | .8    |       |       |       |       |       |     | 6.1   | 11.1                  |
| ENE                     |     |     | 8.4  | 5.3   | 1.5   |       |       |       |       |       |     | 15.3  | 11.2                  |
| E                       |     |     | .8   | 3.1   | 3.1   | 1.5   |       |       |       |       |     | 8.4   | 16.6                  |
| ESE                     |     | .8  | .8   | .8    |       |       |       |       |       |       |     | 2.3   | 10.3                  |
| SE                      |     | .8  | 2.3  |       |       |       |       |       |       |       |     | 3.1   | 7.5                   |
| SSE                     |     |     | 1.5  | .8    | .8    | .8    |       |       |       |       |     | 3.8   | 15.6                  |
| S                       | 1.5 |     | 1.5  | .8    | .8    | .8    |       | .8    |       |       |     | 6.1   | 14.4                  |
| SSW                     | .8  | .8  |      | 1.5   | 3.1   | 3.8   |       | .8    |       |       |     | 10.7  | 18.8                  |
| SW                      |     | .8  | .8   | 3.1   | 3.1   | 3.8   |       |       |       |       |     | 11.5  | 17.9                  |
| WSW                     |     | 1.5 | 1.5  | .8    |       |       |       |       |       |       |     | 3.8   | 7.6                   |
| W                       | 1.5 | 1.5 | 1.5  | 1.5   | .8    |       |       |       |       |       |     | 6.9   | 8.2                   |
| WNW                     |     |     | 2.3  | 1.5   | .8    |       |       |       |       |       |     | 4.6   | 11.7                  |
| NW                      | 3.1 | .8  | .8   |       |       |       |       |       |       |       |     | 4.6   | 4.5                   |
| NNW                     |     |     | 1.5  |       |       |       |       |       |       |       |     | 1.5   | 7.0                   |
| VARBL                   |     |     |      |       |       |       |       |       |       |       |     |       |                       |
| CALM                    |     |     |      |       |       |       |       |       |       |       |     |       |                       |
|                         | 8.4 | 9.9 | 31.3 | 22.9  | 15.3  | 17.7  |       | 1.5   |       |       |     | 100.0 | 12.4                  |

TOTAL NUMBER OF OBSERVATIONS 131

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
ATP WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

STATION 2301 MAUI OPTICAL SITE HI NORTH TOWER 78-79 APP NORTH

ALL WEATHER

2100-2300  
HOURS (L.S.T.)

CONDITION

| SPEED<br>(KNTS)<br>DIR. | 1 - 3 | 4 - 6 | 7 - 10 | 11 - 16 | 17 - 21 | 22 - 27 | 28 - 33 | 34 - 40 | 41 - 47 | 48 - 55 | ≥ 56 | %     | MEAN<br>WIND<br>SPEED |
|-------------------------|-------|-------|--------|---------|---------|---------|---------|---------|---------|---------|------|-------|-----------------------|
| N                       |       | 1.6   |        | .8      |         |         |         |         |         |         |      | 2.3   | 7.3                   |
| NNE                     |       | 2.3   | 1.6    | .8      |         |         |         |         |         |         |      | 4.7   | 7.5                   |
| NE                      |       |       | 3.1    | 2.3     |         |         |         |         |         |         |      | 5.4   | 11.1                  |
| ENE                     |       |       | 2.1    | 7.6     | 1.6     | 3.1     |         |         |         |         |      | 22.5  | 12.8                  |
| E                       |       |       | .8     | 4.7     | 2.3     | .8      |         |         |         |         |      | 8.5   | 15.4                  |
| ESE                     | .8    |       | .8     |         | 1.6     | .8      |         |         |         |         |      | 3.9   | 14.1                  |
| SE                      |       | .9    | .8     | 2.3     |         |         |         |         |         |         |      | 3.9   | 10.1                  |
| SSE                     |       |       | .8     | .8      | .8      |         |         |         |         |         |      | 2.3   | 13.3                  |
| S                       | .9    | .8    |        | 1.6     | 3.1     | .8      | 1.6     |         |         |         |      | 8.5   | 17.3                  |
| SSW                     | .8    |       |        | 2.3     | 2.3     |         |         | .8      |         |         |      | 6.2   | 17.9                  |
| SW                      | .8    | .8    | 3.9    | 1.6     | 3.9     | 1.6     |         |         |         |         |      | 12.4  | 13.4                  |
| WSW                     |       | .6    | 3.9    | 3.1     |         | 1.6     | 1.6     |         |         |         |      | 10.9  | 14.4                  |
| W                       |       |       | 1.6    | .8      |         |         |         |         |         |         |      | 2.3   | 11.0                  |
| WNW                     | .8    | .8    |        |         | .8      |         |         |         |         |         |      | 2.3   | 8.7                   |
| NW                      |       |       | 1.6    | .8      | .8      |         |         |         |         |         |      | 3.1   | 12.3                  |
| NNW                     |       | .8    |        |         |         |         |         |         |         |         |      | .8    | 5.0                   |
| VARBL                   |       |       |        |         |         |         |         |         |         |         |      |       |                       |
| CALM                    |       |       |        |         |         |         |         |         |         |         |      |       |                       |
|                         | 3.9   | 8.5   | 28.7   | 29.5    | 17.1    | 8.5     | 3.1     | .8      |         |         |      | 100.0 | 13.2                  |

TOTAL NUMBER OF OBSERVATIONS 129

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

## SURFACE WINDS

### PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

0001 MAUI OPTICAL SITE HI NORTH TOWER 78-79 APP  
STATION NAME YEARS MONTH

ALL WEATHER

CLASS

ALL  
HOURS (L.S.T.)

CONDITION

| SPEED<br>(KNTS)<br>DIR. | 1 - 3 | 4 - 6 | 7 - 10 | 11 - 16 | 17 - 21 | 22 - 27 | 28 - 33 | 34 - 40 | 41 - 47 | 48 - 55 | ≥ 56 | %     | MEAN<br>WIND<br>SPEED |
|-------------------------|-------|-------|--------|---------|---------|---------|---------|---------|---------|---------|------|-------|-----------------------|
| N                       | .4    | 1.1   | .8     | 1.1     |         |         |         |         |         |         |      | 3.2   | 7.7                   |
| NNE                     | .3    | 1.0   | 1.4    | .5      | .1      |         |         |         |         |         |      | 3.3   | 7.7                   |
| NE                      | .1    | 1.1   | 3.0    | 2.3     | .2      |         |         |         |         |         |      | 6.8   | 9.5                   |
| ENE                     |       | 1.1   | 5.6    | 4.7     | 2.6     | 1.1     | .4      |         |         |         |      | 15.7  | 12.9                  |
| E                       | .2    | .4    | 1.2    | 3.6     | 2.5     | 1.0     | .1      |         |         |         |      | 9.0   | 15.2                  |
| ESE                     | .5    | .7    | 1.0    | .6      | .7      | .1      |         |         |         |         |      | 3.4   | 10.2                  |
| SE                      | .2    | .5    | 1.0    | 1.4     | .4      | .1      |         |         |         |         |      | 3.6   | 11.1                  |
| SSE                     |       | .3    | 1.4    | 2.3     | .4      | .2      | .1      | .1      | .1      |         |      | 4.9   | 13.6                  |
| S                       | .3    | .5    | 1.1    | 1.4     | 2.3     | .8      | .7      | .5      | .1      |         |      | 7.6   | 17.7                  |
| SSW                     | .4    | .7    | .5     | 2.1     | 2.5     | 1.5     | .7      | .2      |         |         |      | 8.5   | 17.4                  |
| SW                      | .6    | 1.0   | 2.0    | 2.6     | 2.6     | 2.1     | .3      |         |         |         |      | 11.0  | 14.9                  |
| WSW                     | .2    | 1.1   | 1.6    | 1.7     | .3      | .4      | .2      |         |         |         |      | 5.5   | 11.2                  |
| W                       | 1.1   | 1.1   | 1.2    | 1.1     | .5      | .5      | .1      |         |         |         |      | 5.7   | 10.2                  |
| WNW                     | .4    | 1.0   | 1.4    | .4      | .5      | .1      |         |         |         |         |      | 3.8   | 9.1                   |
| NW                      | 1.0   | 1.2   | 1.4    | .4      | .7      |         |         |         |         |         |      | 4.7   | 8.4                   |
| NNW                     | .3    | .9    | 1.4    | .7      |         |         |         |         |         |         |      | 3.2   | 7.7                   |
| VARBL                   |       |       |        |         |         |         |         |         |         |         |      |       |                       |
| CALM                    |       |       |        |         |         |         |         |         |         |         |      |       |                       |
|                         | 5.8   | 13.6  | 26.5   | 26.8    | 16.2    | 7.9     | 2.5     | .8      | .2      |         |      | 100.0 | 12.6                  |

TOTAL NUMBER OF OBSERVATIONS 1051

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

# SURFACE WINDS

## PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

0001 STATION MAUI OPTICAL SITE HI NORTH TOWER 78-79 YEARS MAY MONTH

ALL WEATHER CLASS

0000-0200 HOURS (L.S.T.)

CONDITION

| SPEED (KNTS) DIR. | 1 - 3 | 4 - 6 | 7 - 10 | 11 - 16 | 17 - 21 | 22 - 27 | 28 - 33 | 34 - 40 | 41 - 47 | 48 - 55 | ≥ 56 | %     | MEAN WIND SPEED |
|-------------------|-------|-------|--------|---------|---------|---------|---------|---------|---------|---------|------|-------|-----------------|
| N                 | 1.1   | 1.7   | 1.1    | 2.2     |         |         |         |         |         |         |      | 6.1   | 8.3             |
| NNE               | .6    | .6    | 3.9    | 3.9     | 1.7     |         |         |         |         |         |      | 10.6  | 11.0            |
| NE                |       | .6    | 1.7    | 2.2     | 1.1     |         |         | .6      |         |         |      | 6.1   | 13.8            |
| ENE               |       | 1.7   | 4.4    | 6.7     | 2.8     | .6      | 1.1     |         |         |         |      | 17.2  | 13.9            |
| E                 |       | 1.1   | 1.7    | 2.2     | 2.2     | 1.1     | .6      |         |         |         |      | 8.9   | 15.0            |
| ESE               |       | 1.1   |        | .6      | 1.1     | 1.1     |         |         |         |         |      | 3.9   | 15.1            |
| SE                |       | .6    | .6     | 2.8     | 2.2     | .6      |         |         |         |         |      | 6.7   | 15.2            |
| SSE               | .6    | 2.2   | 2.2    | 1.1     |         |         |         |         |         |         |      | 5.1   | 7.4             |
| S                 | .6    | 1.1   | .6     |         | .6      |         |         |         |         |         |      | 2.8   | 8.0             |
| SSW               |       | 1.7   | 2.2    | 1.7     |         |         |         |         |         |         |      | 5.6   | 9.0             |
| SW                | .6    | 1.1   | .6     | 2.2     | 1.1     | .6      |         |         |         |         |      | 6.1   | 11.7            |
| WSW               |       | .6    | .6     | 1.7     |         |         |         |         |         |         |      | 2.8   | 10.4            |
| W                 | 1.7   | 2.8   |        |         |         |         |         |         |         |         |      | 4.4   | 3.9             |
| WNW               | 1.7   | 1.1   | .6     |         |         |         |         |         |         |         |      | 3.3   | 4.2             |
| NW                | 1.1   | 2.2   | .6     |         |         |         |         |         |         |         |      | 3.9   | 4.6             |
| NNW               | 1.1   | 1.1   | 1.7    | .6      | 1.1     |         |         |         |         |         |      | 5.6   | 9.2             |
| VARBL             |       |       |        |         |         |         |         |         |         |         |      |       |                 |
| CALM              |       |       |        |         |         |         |         |         |         |         |      |       |                 |
|                   | 8.9   | 21.1  | 22.2   | 27.8    | 13.9    | 3.9     | 1.7     | .6      |         |         |      | 100.0 | 11.3            |

TOTAL NUMBER OF OBSERVATIONS 180

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

# SURFACE WINDS

## PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

0001 MAUI OPTICAL SITE HI NORTH TOWER 78-79 MAY  
STATION STATION NAME YEARS MONTH  
ALL WEATHER  
CLASS  
CONDITION  
1300-2500  
HOURS (L.S.T.)

| SPEED<br>(KNTS)<br>DIR. | 1 - 3 | 4 - 6 | 7 - 10 | 11 - 16 | 17 - 21 | 22 - 27 | 28 - 33 | 34 - 40 | 41 - 47 | 48 - 55 | ≥ 56 | %     | MEAN<br>WIND<br>SPEED |
|-------------------------|-------|-------|--------|---------|---------|---------|---------|---------|---------|---------|------|-------|-----------------------|
| N                       | .6    | .6    | 2.2    | 3.9     |         |         |         |         |         |         |      | 7.3   | 10.4                  |
| NNE                     | .6    | 2.2   | 1.1    | 1.1     |         |         |         |         |         |         |      | 5.1   | 7.6                   |
| NE                      |       | .6    | 2.2    | 3.4     |         |         |         |         |         |         |      | 6.2   | 10.4                  |
| ENE                     |       | 1.1   | 2.8    | 5.1     | 5.1     | 2.2     |         |         |         |         |      | 16.3  | 15.0                  |
| E                       |       |       | 1.1    | 3.4     | 1.7     | 4.5     | 1.7     |         |         |         |      | 12.4  | 20.0                  |
| ESE                     |       |       | 1.1    |         | 2.8     |         |         |         |         |         |      | 3.9   | 15.9                  |
| SE                      |       | 2.2   | .6     | 1.7     | 1.7     | .6      |         |         |         |         |      | 6.7   | 12.0                  |
| SSE                     |       | 1.1   | .6     | 1.1     |         |         |         |         |         |         |      | 2.8   | 8.4                   |
| S                       |       | 1.1   | 1.1    | 1.1     |         |         |         |         |         |         |      | 3.4   | 9.3                   |
| SSW                     | .6    | .6    | .6     |         | .6      |         |         |         |         |         |      | 2.2   | 8.0                   |
| SW                      |       | 2.2   | 3.9    | 2.8     | 1.7     | .6      |         |         |         |         |      | 11.2  | 11.2                  |
| WSW                     | 1.7   |       | 2.2    | .6      |         |         |         |         |         |         |      | 4.5   | 6.9                   |
| W                       | 1.1   | 1.1   | 1.7    |         |         |         |         |         |         |         |      | 3.9   | 6.4                   |
| WNW                     | 2.2   | .6    | 2.8    |         |         |         |         |         |         |         |      | 5.6   | 5.5                   |
| NW                      | 1.1   | 3.4   | 1.1    |         |         |         |         |         |         |         |      | 5.6   | 4.5                   |
| NNW                     | .6    |       |        | 1.7     | .6      |         |         |         |         |         |      | 2.8   | 12.0                  |
| VARPL                   |       |       |        |         |         |         |         |         |         |         |      |       |                       |
| CALM                    |       |       |        |         |         |         |         |         |         |         |      |       |                       |
|                         | 8.4   | 16.9  | 25.3   | 25.8    | 14.     | 7.9     | 1.7     |         |         |         |      | 100.0 | 11.6                  |

TOTAL NUMBER OF OBSERVATIONS 178

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

STATION 0001 STATION NAME MAUI OPTICAL SITE HI NORTH TOWER YEARS 78-79 MONTH MAY  
CLASS ALL WEATHER HOURS (L.S.T.) 3600-0800  
CONDITION \_\_\_\_\_

| SPEED<br>(KNTS)<br>DIR. | 1 - 3 | 4 - 6 | 7 - 10 | 11 - 16 | 17 - 21 | 22 - 27 | 28 - 33 | 34 - 40 | 41 - 47 | 48 - 55 | ≥ 56 | %     | MEAN<br>WIND<br>SPEED |
|-------------------------|-------|-------|--------|---------|---------|---------|---------|---------|---------|---------|------|-------|-----------------------|
| N                       | .6    | .6    | 1.1    | 3.9     |         |         |         |         |         |         |      | 6.1   | 11.4                  |
| NNE                     |       | 1.7   | 3.4    | 1.7     | .6      |         |         |         |         |         |      | 7.3   | 9.7                   |
| NE                      | .6    | 2.2   | 1.7    | .6      |         |         |         |         |         |         |      | 5.0   | 6.9                   |
| ENE                     |       |       | 3.4    | 8.4     | .6      | 1.7     | .6      |         |         |         |      | 14.5  | 15.0                  |
| E                       | .6    | 1.1   | 1.7    | 2.2     | 4.5     | 1.7     | 1.7     |         |         |         |      | 13.4  | 17.1                  |
| ESE                     |       |       | 1.1    | 1.1     | .6      | 1.7     |         |         |         |         |      | 4.5   | 16.5                  |
| SE                      |       | .6    | 1.1    | 2.8     | 1.7     |         |         |         |         |         |      | 6.1   | 13.5                  |
| SSE                     |       |       | 1.1    | .6      | 1.1     |         |         |         |         |         |      | 2.8   | 13.2                  |
| S                       |       | 1.1   | .6     | 1.1     |         |         |         |         |         |         |      | 2.8   | 9.2                   |
| SSW                     |       |       |        | .6      |         |         |         |         |         |         |      | .6    | 11.0                  |
| SW                      | 1.7   | 1.7   | .6     | 2.8     |         |         |         |         |         |         |      | 6.7   | 8.7                   |
| WSW                     | 1.7   | .6    | 2.2    | 1.7     |         |         |         |         |         |         |      | 6.1   | 7.5                   |
| W                       | 1.7   | 1.7   | 2.2    | .6      |         |         |         |         |         |         |      | 6.1   | 6.5                   |
| WNW                     | .6    | 2.2   | 1.7    | 1.1     |         |         |         |         |         |         |      | 5.6   | 7.0                   |
| NW                      | 2.8   | 4.5   |        |         |         |         |         |         |         |         |      | 7.3   | 3.9                   |
| NNW                     |       | 1.7   | .6     | 2.8     |         |         |         |         |         |         |      | 5.7   | 10.4                  |
| VARBL                   |       |       |        |         |         |         |         |         |         |         |      |       |                       |
| CALM                    |       |       |        |         |         |         |         |         |         |         |      |       |                       |
|                         | 11.1  | 19.6  | 22.3   | 31.8    | 8.9     | 5.7     | 2.2     |         |         |         |      | 100.0 | 11.1                  |

TOTAL NUMBER OF OBSERVATIONS 179

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

0501 MAUI OPTICAL SITE HI NORTH TOWER 78-79 MAY  
STATION STATION NAME YEARS MONTH  
ALL WEATHER  
CLASS  
CONDITION  
0900-1100  
HOURS (L.S.T.)

| SPEED<br>(KNTS)<br>DIR. | 1 - 3 | 4 - 6 | 7 - 10 | 11 - 16 | 17 - 21 | 22 - 27 | 28 - 33 | 34 - 40 | 41 - 47 | 48 - 55 | ≥ 56 | %     | MEAN<br>WIND<br>SPEED |
|-------------------------|-------|-------|--------|---------|---------|---------|---------|---------|---------|---------|------|-------|-----------------------|
| N                       | .6    | .6    | .6     | .6      | 1.1     |         |         |         |         |         |      | 3.4   | 11.0                  |
| NNE                     | .6    | .6    | .6     | .6      |         |         |         |         |         |         |      | 2.3   | 6.8                   |
| NE                      | .6    | 1.1   | 1.7    | 2.9     |         |         |         |         |         |         |      | 6.3   | 9.7                   |
| ENE                     |       |       | 4.0    | 4.0     | .6      | .6      | .6      |         |         |         |      | 9.7   | 12.9                  |
| E                       | .6    | 1.1   | 2.3    | 4.6     | 1.7     | 2.9     | 2.3     |         |         |         |      | 15.4  | 16.8                  |
| ESE                     |       |       | 1.1    | 1.1     | 1.7     | .6      |         |         |         |         |      | 4.6   | 15.6                  |
| SE                      | .6    | 1.1   | .6     | 3.4     |         |         |         |         |         |         |      | 5.7   | 9.6                   |
| SSE                     |       | .6    | 1.7    | 1.1     | 1.1     |         |         |         |         |         |      | 4.6   | 11.1                  |
| S                       | 1.1   | .6    | .6     | 2.3     |         |         |         |         |         |         |      | 4.6   | 9.3                   |
| SSW                     | 1.7   | 1.7   | .6     |         | .6      |         |         |         |         |         |      | 4.6   | 5.8                   |
| SW                      | .6    | 2.3   |        |         | .6      |         |         |         |         |         |      | 3.4   | 6.5                   |
| WSW                     | .6    | 2.3   | .6     | 1.7     |         |         |         |         |         |         |      | 5.1   | 7.9                   |
| W                       |       | 2.3   | 1.7    |         |         |         |         |         |         |         |      | 4.0   | 6.7                   |
| WNW                     | 2.3   | 7.4   | 1.1    |         |         |         |         |         |         |         |      | 10.9  | 4.9                   |
| NW                      | 1.1   | 2.3   | 3.4    | .6      |         |         |         |         |         |         |      | 7.4   | 6.5                   |
| NNW                     | .6    | 2.3   | 1.1    | 2.3     |         | 1.7     |         |         |         |         |      | 8.0   | 11.4                  |
| VARBL                   |       |       |        |         |         |         |         |         |         |         |      |       |                       |
| CALM                    |       |       |        |         |         |         |         |         |         |         |      |       |                       |
|                         | 10.9  | 26.3  | 21.7   | 25.1    | 7.4     | 5.7     | 2.9     |         |         |         |      | 100.0 | 10.3                  |

TOTAL NUMBER OF OBSERVATIONS 175



GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

0001 MAUI OPTICAL SITE HI NORTH TOWER 78-79 MAY  
STATION STATION NAME YEARS MONTH  
ALL WEATHER  
CLASS  
1200-1400  
HOURS (L.S.T.)

| SPEED<br>(KNTS)<br>DIR. | 1 - 3 | 4 - 6 | 7 - 10 | 11 - 16 | 17 - 21 | 22 - 27 | 28 - 33 | 34 - 40 | 41 - 47 | 48 - 55 | ≥ 56 | %     | MEAN<br>WIND<br>SPEED |
|-------------------------|-------|-------|--------|---------|---------|---------|---------|---------|---------|---------|------|-------|-----------------------|
| N                       | 1.1   | 2.9   | 1.1    |         |         |         |         |         |         |         |      | 5.2   | 5.7                   |
| NNE                     |       | 1.7   | 1.7    | 1.7     |         |         |         |         |         |         |      | 5.2   | 8.0                   |
| NE                      |       |       | 2.3    | 1.1     | .6      |         |         |         |         |         |      | 4.0   | 11.0                  |
| ENE                     | .6    | 3.4   | 1.7    | 2.3     | .6      | 2.9     |         |         |         |         |      | 11.5  | 12.3                  |
| E                       |       | 1.7   |        | 2.3     | .6      | 1.1     | 1.1     | 1.1     |         |         |      | 8.0   | 19.3                  |
| ESE                     | 1.1   | .6    | 1.1    | .6      | .6      | .6      |         |         |         |         |      | 4.6   | 10.6                  |
| SE                      |       | 1.7   | 4.0    | 1.7     |         |         |         |         |         |         |      | 7.5   | 8.6                   |
| SSE                     |       | 1.1   | 1.1    | 1.1     |         |         |         |         |         |         |      | 3.4   | 8.0                   |
| S                       | 1.1   | 1.1   | .6     | 2.9     |         |         |         |         |         |         |      | 5.7   | 8.0                   |
| SSW                     | .6    | .6    | .6     | 1.7     | .6      |         |         |         |         |         |      | 4.0   | 9.7                   |
| SW                      | .6    | 1.1   | 2.9    | 1.7     |         |         |         |         |         |         |      | 6.3   | 8.7                   |
| WSW                     | .6    | .6    | 1.1    |         |         |         |         |         |         |         |      | 2.3   | 6.3                   |
| W                       | .6    | 3.4   | 4.0    | 1.7     |         |         |         |         |         |         |      | 9.8   | 7.8                   |
| WNW                     | 1.1   | 4.0   | 6.3    | .6      |         |         |         |         |         |         |      | 12.1  | 6.8                   |
| NW                      | .6    | 2.9   | 1.7    | .6      |         |         |         |         |         |         |      | 5.7   | 6.7                   |
| NNW                     |       | 1.1   | .6     | 2.9     |         |         |         |         |         |         |      | 4.6   | 9.5                   |
| VARBL                   |       |       |        |         |         |         |         |         |         |         |      |       |                       |
| CALM                    |       |       |        |         |         |         |         |         |         |         |      |       |                       |
|                         | 8.1   | 28.2  | 31.0   | 23.0    | 2.9     | 4.6     | 1.1     | 1.1     |         |         |      | 100.0 | 9.5                   |

TOTAL NUMBER OF OBSERVATIONS 174

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

## SURFACE WINDS

### PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

0001  
STATION

MAUI OPTICAL SITE HI NORTH TOWER  
STATION NAME

78-79  
YEARS

MAY  
MONTH

ALL WEATHER  
CLASS

1500-1700  
HOURS (L.S.T.)

CONDITION

| SPEED<br>(KNTS)<br>DIR. | 1 - 3 | 4 - 6 | 7 - 10 | 11 - 16 | 17 - 21 | 22 - 27 | 28 - 33 | 34 - 40 | 41 - 47 | 48 - 55 | ≥ 56 | %     | MEAN<br>WIND<br>SPEED |
|-------------------------|-------|-------|--------|---------|---------|---------|---------|---------|---------|---------|------|-------|-----------------------|
| N                       | .6    |       |        | 1.2     | .6      |         |         |         |         |         |      | 2.3   | 11.3                  |
| NNE                     |       | 1.2   | 2.3    | 1.2     |         |         |         |         |         |         |      | 4.6   | 8.8                   |
| NE                      |       |       | 1.7    | 3.5     | 1.7     |         |         |         |         |         |      | 6.9   | 12.9                  |
| ENE                     | .6    | 1.2   | 4.0    | 4.6     | 2.3     | .6      |         |         |         |         |      | 13.3  | 11.6                  |
| E                       |       | 1.7   | 1.7    | 1.2     | 1.7     |         | 1.7     |         |         |         |      | 8.1   | 15.6                  |
| ESE                     |       |       | 1.2    | 1.7     | 2.3     |         |         |         |         |         |      | 5.2   | 14.9                  |
| SE                      |       | 1.2   | 1.7    |         | .6      | 1.2     |         |         |         |         |      | 4.6   | 11.9                  |
| SSE                     | .6    | 1.7   | 2.9    | .6      |         |         |         |         |         |         |      | 5.8   | 7.0                   |
| S                       | 1.2   | 1.2   | .6     | .6      |         |         |         |         |         |         |      | 3.5   | 6.2                   |
| SSW                     |       | 1.2   | 1.2    | .6      |         |         |         |         |         |         |      | 2.9   | 7.4                   |
| SW                      |       | .6    | 3.5    | 1.2     | .6      |         |         |         |         |         |      | 5.8   | 10.1                  |
| WSW                     |       | 3.5   | 1.2    | .6      |         |         |         |         |         |         |      | 5.2   | 6.1                   |
| W                       | 1.2   | 5.2   | 3.5    |         |         |         |         |         |         |         |      | 9.8   | 5.7                   |
| WNW                     | .6    | 1.7   | 2.9    | 1.2     |         |         |         |         |         |         |      | 6.4   | 7.5                   |
| NW                      |       | .6    | 4.6    | 2.3     | .6      |         |         |         |         |         |      | 8.1   | 9.6                   |
| NNW                     | .6    | 1.2   | 4.0    | 1.7     |         |         |         |         |         |         |      | 7.5   | 8.7                   |
| VARBL                   |       |       |        |         |         |         |         |         |         |         |      |       |                       |
| CALM                    |       |       |        |         |         |         |         |         |         |         |      |       |                       |
|                         | 5.2   | 22.1  | 37.9   | 22.6    | 10.4    | 1.7     | 1.7     |         |         |         |      | 100.0 | 9.2                   |

TOTAL NUMBER OF OBSERVATIONS

173

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

STATION MAUI OPTICAL SITE HI NORTH TOWER YEARS 78-79 MONTH MAY  
CLASS ALL WEATHER HOURS (L.S.T.) 1800-2000  
CONDITION

| SPEED<br>(KNTS)<br>DIR. | 1 - 3 | 4 - 6 | 7 - 10 | 11 - 16 | 17 - 21 | 22 - 27 | 28 - 33 | 34 - 40 | 41 - 47 | 48 - 55 | ≥ 56 | %     | MEAN<br>WIND<br>SPEED |
|-------------------------|-------|-------|--------|---------|---------|---------|---------|---------|---------|---------|------|-------|-----------------------|
| N                       |       | .6    | .6     | .6      | 1.7     | .6      |         |         |         |         |      | 4.1   | 15.4                  |
| NNE                     | .6    | .6    | .6     | 3.5     |         |         |         |         |         |         |      | 5.2   | 10.6                  |
| NE                      | .6    |       | 1.2    | 2.9     |         |         |         |         |         |         |      | 4.7   | 10.5                  |
| ENE                     | .6    | 2.3   | 5.2    | 7.6     | 4.1     | 1.2     |         |         |         |         |      | 20.9  | 12.5                  |
| E                       |       | .6    | 1.7    | 1.2     | .6      | .6      | 2.3     | .6      |         |         |      | 7.6   | 19.5                  |
| ESE                     | .6    |       | 1.2    | 1.7     | 1.2     | .6      |         |         |         |         |      | 5.2   | 13.7                  |
| SE                      | 1.2   | 2.3   |        | 1.7     | .6      | 1.7     |         |         |         |         |      | 7.6   | 12.0                  |
| SSE                     | .6    | 2.3   |        | 1.7     | .6      |         |         |         |         |         |      | 5.2   | 8.1                   |
| S                       | 1.2   | .6    | .6     | 1.2     |         |         |         |         |         |         |      | 3.5   | 6.8                   |
| SSW                     | 1.2   | 1.2   |        | 1.2     |         |         |         |         |         |         |      | 3.5   | 7.0                   |
| SW                      | .6    | .6    | 2.3    | .6      |         |         |         |         |         |         |      | 4.1   | 7.3                   |
| WSW                     |       | .6    | 1.2    | .6      |         |         |         |         |         |         |      | 2.3   | 9.3                   |
| W                       | 4.7   | 1.7   | 1.7    |         |         |         |         |         |         |         |      | 8.1   | 4.3                   |
| WNW                     | 2.3   | 1.7   | 1.2    | .6      | .6      |         |         |         |         |         |      | 6.4   | 6.8                   |
| NW                      | 2.3   | 1.2   | 2.3    | 3.5     |         |         |         |         |         |         |      | 9.3   | 8.3                   |
| NNW                     |       |       | .6     | 1.2     | .6      |         |         |         |         |         |      | 2.3   | 14.0                  |
| VARBL                   |       |       |        |         |         |         |         |         |         |         |      |       |                       |
| CALM                    |       |       |        |         |         |         |         |         |         |         |      |       |                       |
|                         | 16.3  | 16.3  | 20.3   | 29.7    | 9.9     | 4.7     | 2.3     | .6      |         |         |      | 100.0 | 16.7                  |

TOTAL NUMBER OF OBSERVATIONS 172

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AFW WEATHER SERVICE/MAC

## SURFACE WINDS

### PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

0001 MAUI OPTICAL SITE HI NORTH TOWER 78-79  
STATION STATION NAME YEARS  
ALL WEATHER  
CLASS  
MAY  
MONTH  
2100-2300  
HOURS (L.S.T.)  
CONDITION

| SPEED<br>(KNTS)<br>DIR. | 1 - 3 | 4 - 6 | 7 - 10 | 11 - 16 | 17 - 21 | 22 - 27 | 28 - 33 | 34 - 40 | 41 - 47 | 48 - 55 | ≥ 56 | %     | MEAN<br>WIND<br>SPEED |
|-------------------------|-------|-------|--------|---------|---------|---------|---------|---------|---------|---------|------|-------|-----------------------|
| N                       |       | .6    | 1.1    |         | 1.7     | 1.7     |         |         |         |         |      | 4.6   | 16.1                  |
| NNE                     | .6    | 1.7   | 4.7    | 2.9     | 1.1     |         |         |         |         |         |      | 10.3  | 13.3                  |
| NE                      |       | .6    | 4.6    | 2.3     | 1.1     |         |         |         |         |         |      | 8.6   | 10.9                  |
| ENE                     |       | .6    | 6.3    | 4.0     | 4.6     | 1.1     | .6      |         |         |         |      | 17.2  | 14.0                  |
| E                       | 1.7   | 1.1   | 1.7    | .6      | 2.3     | 1.1     | 1.7     |         |         |         |      | 10.3  | 14.5                  |
| ESE                     | 1.1   | .6    | .6     | .6      | 1.1     | .6      |         |         |         |         |      | 4.6   | 12.3                  |
| SE                      | .6    | 1.7   |        | 1.7     |         | 1.7     |         |         |         |         |      | 5.7   | 13.9                  |
| SSE                     | 1.1   | 1.1   | 2.3    | 2.9     | 1.1     |         |         |         |         |         |      | 8.6   | 10.2                  |
| S                       |       | 1.1   | .6     | .6      |         |         |         |         |         |         |      | 2.3   | 7.8                   |
| SSW                     | .6    | .6    | 2.3    | .6      |         |         |         |         |         |         |      | 4.0   | 8.1                   |
| SW                      | .6    | 1.7   | 1.7    | 1.7     |         |         |         |         |         |         |      | 5.7   | 7.9                   |
| WSW                     |       | .6    |        |         |         |         |         |         |         |         |      | .6    | 4.0                   |
| W                       | .6    | 1.1   | 1.1    |         |         |         |         |         |         |         |      | 2.9   | 5.8                   |
| WNW                     |       |       |        |         | .6      |         |         |         |         |         |      | .6    | 17.0                  |
| NW                      | 1.7   | 1.7   | 2.3    | 2.3     |         |         |         |         |         |         |      | 8.0   | 7.8                   |
| NNW                     | 1.1   | .6    | .6     | 3.4     |         |         |         |         |         |         |      | 5.7   | 10.1                  |
| VARBL                   |       |       |        |         |         |         |         |         |         |         |      |       |                       |
| CALM                    |       |       |        |         |         |         |         |         |         |         |      |       |                       |
|                         | 9.8   | 15.5  | 29.3   | 23.6    | 13.2    | 6.3     | 2.3     |         |         |         |      | 100.0 | 11.4                  |

TOTAL NUMBER OF OBSERVATIONS 174

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIP WEATHER SERVICE/HAC

# SURFACE WINDS

## PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

STATION 0001 STATION NAME MAUI OPTICAL SITE HI NORTH TOWER YEARS 78-79 MONTH MAY

CLASS ALL WEATHER HOURS (L.S.T.) ALL

CONDITION \_\_\_\_\_

| SPEED<br>(KNTS)<br>DIR. | 1 - 3 | 4 - 6 | 7 - 10 | 11 - 16 | 17 - 21 | 22 - 27 | 28 - 33 | 34 - 40 | 41 - 47 | 48 - 55 | ≥ 56 | %     | MEAN<br>WIND<br>SPEED |
|-------------------------|-------|-------|--------|---------|---------|---------|---------|---------|---------|---------|------|-------|-----------------------|
| N                       | .6    | .9    | 1.7    | .6      | .6      | .3      |         |         |         |         |      | 4.9   | 10.9                  |
| NNE                     | .4    | 1.3   | 2.2    | 2.1     | .4      |         |         |         |         |         |      | 6.3   | 9.5                   |
| NE                      | .2    | .6    | 2.1    | 2.3     | .6      |         |         | .1      |         |         |      | 6.0   | 10.9                  |
| NNE                     | .2    | 1.3   | 4.7    | 5.3     | 2.6     | 1.4     | .4      |         |         |         |      | 15.1  | 13.5                  |
| E                       | .4    | 1.1   | 1.5    | 2.2     | 1.9     | 1.6     | 1.6     | .2      |         |         |      | 10.5  | 17.2                  |
| ESE                     | .4    | .3    | .9     | .9      | 1.4     | .6      |         |         |         |         |      | 4.6   | 14.3                  |
| SE                      | .3    | 1.4   | 1.1    | 2.0     | .9      | .7      |         |         |         |         |      | 5.3   | 12.0                  |
| SSE                     | .4    | 1.3   | 1.5    | 1.3     | .5      |         |         |         |         |         |      | 4.9   | 9.0                   |
| S                       | .6    | 1.7   | .6     | 1.2     | .1      |         |         |         |         |         |      | 3.6   | 8.1                   |
| SSW                     | .6    | .9    | .9     | .8      | .2      |         |         |         |         |         |      | 3.4   | 8.0                   |
| SW                      | .6    | 1.4   | 1.9    | 1.6     | .5      | .1      |         |         |         |         |      | 6.2   | 9.5                   |
| WSW                     | .6    | 1.1   | 1.1    | .9      |         |         |         |         |         |         |      | 3.6   | 7.5                   |
| W                       | 1.4   | 2.4   | 2.0    | .3      |         |         |         |         |         |         |      | 6.1   | 6.7                   |
| WNW                     | 1.4   | 2.3   | 2.1    | .4      | .1      |         |         |         |         |         |      | 6.3   | 6.3                   |
| NW                      | 1.4   | 2.3   | 2.7    | 1.1     | .1      |         |         |         |         |         |      | 6.9   | 6.8                   |
| NNW                     | .5    | 1.7   | 1.1    | 2.1     | .3      | .2      |         |         |         |         |      | 5.2   | 10.3                  |
| VARBL                   |       |       |        |         |         |         |         |         |         |         |      |       |                       |
| CALM                    |       |       |        |         |         |         |         |         |         |         |      |       |                       |
|                         | 9.7   | 22.7  | 26.1   | 26.1    | 10.1    | 5.7     | 2.2     | .3      |         |         |      | 100.0 | 10.7                  |

TOTAL NUMBER OF OBSERVATIONS 1405

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

0001  
STATION

MAUI OPTICAL SITE HI NORTH TOWER  
STATION NAME

78-79  
YEARS

JUN  
MONTH

ALL WEATHER  
CLASS

0000-0200  
HOURS (L.S.T.)

CONDITION

| SPEED<br>(KNTS)<br>DIR. | 1 - 3 | 4 - 6 | 7 - 10 | 11 - 16 | 17 - 21 | 22 - 27 | 28 - 33 | 34 - 40 | 41 - 47 | 48 - 55 | ≥ 56 | %     | MEAN<br>WIND<br>SPEED |
|-------------------------|-------|-------|--------|---------|---------|---------|---------|---------|---------|---------|------|-------|-----------------------|
| N                       | .3    |       | .9     |         |         |         |         |         |         |         |      | 1.7   | 6.0                   |
| NNE                     | .8    | .8    | 2.5    |         |         |         |         |         |         |         |      | 4.2   | 6.8                   |
| NE                      | .9    | 1.7   | .8     | 8.3     | 1.7     |         |         |         |         |         |      | 13.3  | 11.8                  |
| ENE                     |       | 1.7   | 9.2    | 6.7     | 5.0     | 5.0     | .8      |         |         |         |      | 28.3  | 15.3                  |
| E                       |       | 2.5   | 2.5    | 6.7     | 3.3     | 2.5     | .8      |         |         |         |      | 18.3  | 14.9                  |
| ESE                     | .8    | 2.5   | .8     | 1.7     | 3.3     | .8      |         |         |         |         |      | 10.0  | 12.4                  |
| SE                      | .8    | 1.7   | 3.3    | 3.3     | .8      |         |         |         |         |         |      | 10.0  | 10.0                  |
| SSE                     |       | .8    |        |         |         |         |         |         |         |         |      | .8    | 5.0                   |
| S                       | .8    | 1.7   |        |         |         |         |         |         |         |         |      | 2.5   | 3.7                   |
| SSW                     |       | 2.5   |        |         |         |         |         |         |         |         |      | 2.5   | 4.0                   |
| SW                      |       | .8    |        |         |         |         |         |         |         |         |      | .8    | 5.0                   |
| WSW                     | 4.2   |       |        |         |         |         |         |         |         |         |      | 4.2   | 1.8                   |
| W                       | .8    |       |        |         |         |         |         |         |         |         |      | .8    | 3.0                   |
| WNW                     |       |       |        |         |         |         |         |         |         |         |      |       |                       |
| NW                      |       |       |        |         |         |         |         |         |         |         |      |       |                       |
| NNW                     |       | .8    | 1.7    |         |         |         |         |         |         |         |      | 2.5   | 6.3                   |
| VARBL                   |       |       |        |         |         |         |         |         |         |         |      |       |                       |
| CALM                    |       |       |        |         |         |         |         |         |         |         |      |       |                       |
|                         | 11.0  | 1.5   | 21.7   | 26.7    | 14.2    | 8.3     | 1.7     |         |         |         |      | 100.0 | 11.8                  |

TOTAL NUMBER OF OBSERVATIONS

120

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

# SURFACE WINDS

## PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

0001 MAUI OPTICAL SITE HI NORTH TOWER 78-79 JUN  
STATION STATION NAME YEARS MONTH

ALL WEATHER  
CLASS

1300-0500  
HOURS (L.S.T.)

CONDITION

| SPEED<br>(KNTS)<br>DIR. | 1 - 3 | 4 - 6 | 7 - 10 | 11 - 16 | 17 - 21 | 22 - 27 | 28 - 33 | 34 - 40 | 41 - 47 | 48 - 55 | ≥ 56 | %     | MEAN<br>WIND<br>SPEED |
|-------------------------|-------|-------|--------|---------|---------|---------|---------|---------|---------|---------|------|-------|-----------------------|
| N                       | .8    | 2.5   | .8     |         |         |         |         |         |         |         |      | 4.2   | 6.2                   |
| NNE                     | 1.7   | 2.5   | 1.7    | .8      |         |         |         |         |         |         |      | 6.7   | 6.6                   |
| NE                      | .8    | 1.7   |        | 5.9     | 1.7     |         |         |         |         |         |      | 10.1  | 11.8                  |
| ENE                     |       | 3.4   | 5.0    | 5.0     | 6.7     | 1.7     |         |         |         |         |      | 21.8  | 13.1                  |
| E                       |       |       | 2.5    | 8.4     | 6.7     | 1.7     | 1.7     |         |         |         |      | 21.0  | 16.9                  |
| ESE                     |       |       | 1.7    | 1.7     | 2.5     | .8      | .8      |         |         |         |      | 7.6   | 17.2                  |
| SE                      |       | .8    | 1.7    | 2.5     |         |         |         |         |         |         |      | 5.0   | 10.7                  |
| SSE                     | 1.7   |       | 2.5    |         |         |         |         |         |         |         |      | 4.2   | 6.8                   |
| S                       | .8    | 1.7   |        |         |         |         |         |         |         |         |      | 2.5   | 3.7                   |
| SSW                     | .8    | .8    | .8     |         |         |         |         |         |         |         |      | 2.5   | 4.3                   |
| SW                      | .8    | 2.5   |        |         |         |         |         |         |         |         |      | 3.4   | 4.0                   |
| WSW                     |       | 1.7   |        |         |         |         |         |         |         |         |      | 1.7   | 5.0                   |
| W                       | 3.4   |       |        |         |         |         |         |         |         |         |      | 3.4   | 3.0                   |
| WNW                     | .8    | .8    |        |         |         |         |         |         |         |         |      | 1.7   | 3.5                   |
| NW                      | 1.7   | .8    |        |         |         |         |         |         |         |         |      | 2.5   | 4.0                   |
| NNW                     | .8    | .8    |        |         |         |         |         |         |         |         |      | 1.7   | 4.0                   |
| VARBL                   |       |       |        |         |         |         |         |         |         |         |      |       |                       |
| CALM                    |       |       |        |         |         |         |         |         |         |         |      |       |                       |
|                         | 14.3  | 2.2   | 16.8   | 24.4    | 17.6    | 4.2     | 2.5     |         |         |         |      | 100.0 | 11.2                  |

TOTAL NUMBER OF OBSERVATIONS 119

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AFW WEATHER SERVICE/MAC

# SURFACE WINDS

## PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

0001 MAUI OPTICAL SITE HI NORTH TOWER 78-79  
STATION STATION NAME YEARS  
ALL WEATHER  
CLASS  
JUN  
NORTH  
1600-0800  
HOURS (L.S.T.)  
CONDITION

| SPEED<br>(KNTS)<br>DIR. | 1 - 3 | 4 - 6 | 7 - 10 | 11 - 16 | 17 - 21 | 22 - 27 | 28 - 33 | 34 - 40 | 41 - 47 | 48 - 55 | ≥ 56 | %     | MEAN<br>WIND<br>SPEED |
|-------------------------|-------|-------|--------|---------|---------|---------|---------|---------|---------|---------|------|-------|-----------------------|
| N                       |       | 1.7   | 1.7    |         |         |         |         |         |         |         |      | 3.3   | 6.5                   |
| NNE                     | .8    | 3.3   | 1.7    | 1.7     |         |         |         |         |         |         |      | 7.5   | 7.1                   |
| NE                      | 1.7   | 3.3   | 8.3    | 1.7     | 2.5     |         |         |         |         |         |      | 17.5  | 9.4                   |
| ENE                     |       | 3.3   | 1.7    | 9.2     | 3.3     | 2.5     |         |         |         |         |      | 20.0  | 13.4                  |
| E                       |       | .8    |        | 5.0     | 8.3     | 2.5     |         |         |         |         |      | 16.7  | 17.0                  |
| ESE                     |       | 1.7   | 1.7    | 1.7     | 4.2     | 1.7     |         |         |         |         |      | 10.8  | 15.1                  |
| SE                      | .8    | 1.7   | .8     | 1.7     |         |         |         |         |         |         |      | 5.0   | 7.2                   |
| SSE                     | 2.5   | 1.7   |        |         |         |         |         |         |         |         |      | 4.2   | 3.6                   |
| S                       | 1.7   |       |        |         |         |         |         |         |         |         |      | 1.7   | 2.5                   |
| SSW                     | .8    | .8    |        |         |         |         |         |         |         |         |      | 1.7   | 4.0                   |
| SW                      |       | .8    | 1.7    |         |         |         |         |         |         |         |      | 2.5   | 6.7                   |
| WSW                     | .8    | .8    |        |         |         |         |         |         |         |         |      | 1.7   | 3.0                   |
| W                       | .8    |       |        |         |         |         |         |         |         |         |      | .8    | 3.0                   |
| WNW                     | 1.7   | .8    |        |         |         |         |         |         |         |         |      | 2.5   | 3.0                   |
| NW                      | 1.7   | 1.7   |        |         |         |         |         |         |         |         |      | 3.3   | 3.8                   |
| NNW                     |       | .8    |        |         |         |         |         |         |         |         |      | .8    | 5.0                   |
| VARBL                   |       |       |        |         |         |         |         |         |         |         |      |       |                       |
| CALM                    |       |       |        |         |         |         |         |         |         |         |      |       |                       |
|                         | 13.3  | 23.3  | 17.5   | 21.8    | 18.3    | 6.7     |         |         |         |         |      | 100.0 | 10.7                  |

TOTAL NUMBER OF OBSERVATIONS 120



GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AF WEATHER SERVICE/MAC

## SURFACE WINDS

### PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

0001 MAUI OPTICAL SITE HI NORTH TOWER 78-79 JUN  
STATION STATION NAME YEARS MONTH

ALL WEATHER  
CLASS

0900-1100  
HOURS (L.S.T.)

CONDITION

| SPEED<br>(KNTS)<br>DIR. | 1 - 3 | 4 - 6 | 7 - 10 | 11 - 16 | 17 - 21 | 22 - 27 | 28 - 33 | 34 - 40 | 41 - 47 | 48 - 55 | ≥ 56 | %     | MEAN<br>WIND<br>SPEED |
|-------------------------|-------|-------|--------|---------|---------|---------|---------|---------|---------|---------|------|-------|-----------------------|
| N                       |       | .9    | 1.7    |         |         |         |         |         |         |         |      | 2.6   | 6.7                   |
| NNE                     |       | 1.7   | 2.6    | 1.7     | .9      |         |         |         |         |         |      | 6.8   | 9.3                   |
| NE                      |       | 2.6   | 6.0    | 5.0     | 2.6     |         |         |         |         |         |      | 17.1  | 10.9                  |
| ENE                     |       | 1.7   | 6.0    | 4.3     | 2.6     | 1.7     |         |         |         |         |      | 16.2  | 12.7                  |
| E                       | .7    | .9    | 6.8    | 4.3     | 5.1     | 4.3     |         |         |         |         |      | 22.2  | 14.3                  |
| ESE                     |       | .9    | .9     | 3.4     | 3.4     | 1.7     |         |         |         |         |      | 10.3  | 16.2                  |
| SE                      |       |       |        |         | .9      |         |         |         |         |         |      | .9    | 18.0                  |
| SSE                     | 1.7   | .9    |        |         |         |         |         |         |         |         |      | 2.6   | 3.3                   |
| S                       |       |       |        |         |         |         |         |         |         |         |      |       |                       |
| SSW                     | .9    |       |        |         |         |         |         |         |         |         |      | .9    | 3.0                   |
| SW                      |       | 1.7   | .9     |         |         |         |         |         |         |         |      | 2.6   | 7.0                   |
| WSW                     |       |       |        |         |         |         |         |         |         |         |      |       |                       |
| W                       | 1.7   | .9    |        |         |         |         |         |         |         |         |      | 2.6   | 2.7                   |
| WNW                     | 1.7   | .9    | 1.7    |         |         |         |         |         |         |         |      | 4.3   | 4.8                   |
| NW                      | .9    | 4.3   | 1.7    |         |         |         |         |         |         |         |      | 6.8   | 5.5                   |
| NNW                     | 1.7   | .9    | 1.7    |         |         |         |         |         |         |         |      | 4.3   | 5.4                   |
| VARBL                   |       |       |        |         |         |         |         |         |         |         |      |       |                       |
| CALM                    |       |       |        |         |         |         |         |         |         |         |      |       |                       |
|                         | 9.4   | 17.9  | 29.9   | 19.7    | 15.4    | 7.7     |         |         |         |         |      | 108.0 | 10.9                  |

TOTAL NUMBER OF OBSERVATIONS 117

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
A7P WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

0001 MAUI OPTICAL SITE HI NORTH TOWER 78-79  
STATION STATION NAME YEARS  
ALL WEATHER  
CLASS  
CONDITION  
JUN  
MONTH  
1200-1400  
HOURS (L.S.T.)

| SPEED<br>(KNTS)<br>DIR. | 1 - 3 | 4 - 6 | 7 - 10 | 11 - 16 | 17 - 21 | 22 - 27 | 28 - 33 | 34 - 40 | 41 - 47 | 48 - 55 | ≥ 56 | %     | MEAN<br>WIND<br>SPEED |
|-------------------------|-------|-------|--------|---------|---------|---------|---------|---------|---------|---------|------|-------|-----------------------|
| N                       |       | 1.7   | 3.5    |         |         |         |         |         |         |         |      | 5.2   | 6.5                   |
| NNE                     |       | 2.6   | 2.6    | .9      |         |         |         |         |         |         |      | 6.1   | 7.7                   |
| NE                      |       | 2.6   | 8.7    | .9      | 1.7     | .9      |         |         |         |         |      | 14.8  | 10.6                  |
| ENE                     |       | .9    | 7.0    | 8.7     | 1.7     |         |         |         |         |         |      | 13.3  | 11.6                  |
| E                       | .9    | .9    | 3.5    | 4.3     | 1.7     |         |         |         |         |         |      | 11.3  | 11.7                  |
| ESE                     |       |       | 3.5    | 6.1     | 2.6     | .9      |         |         |         |         |      | 13.0  | 13.7                  |
| SE                      | 1.7   | 1.7   |        |         | .9      |         |         |         |         |         |      | 4.3   | 6.8                   |
| SSE                     |       | .9    | .9     |         |         |         |         |         |         |         |      | 1.7   | 7.0                   |
| S                       |       |       |        |         |         |         |         |         |         |         |      |       |                       |
| SSW                     |       |       | .9     |         |         |         |         |         |         |         |      | .9    | 7.0                   |
| SW                      | .9    |       |        |         |         |         |         |         |         |         |      | .9    | 3.0                   |
| WSW                     | .9    | .9    |        |         |         |         |         |         |         |         |      | 1.7   | 2.5                   |
| W                       | 1.7   | 3.5   | .9     |         |         |         |         |         |         |         |      | 6.1   | 4.9                   |
| WNW                     | .9    | 2.6   | .9     |         |         |         |         |         |         |         |      | 4.3   | 4.6                   |
| NW                      | 1.7   | 2.6   | 2.6    |         |         |         |         |         |         |         |      | 7.0   | 5.4                   |
| NNW                     |       | 2.6   | 1.7    |         |         |         |         |         |         |         |      | 4.3   | 6.4                   |
| VARBL                   |       |       |        |         |         |         |         |         |         |         |      |       |                       |
| CALM                    |       |       |        |         |         |         |         |         |         |         |      |       |                       |
|                         | 8.7   | 23.5  | 36.5   | 2.9     | 8.7     | 1.7     |         |         |         |         |      | 100.0 | 9.3                   |

TOTAL NUMBER OF OBSERVATIONS 115

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

101 STATION MAUI OPTICAL SITE HI NORTH TOWER 78-79 YEARS JUN NORTH

ALL WEATHER

CLASS

1500-1700  
HOURS (L.S.T.)

CONDITION

| SPEED<br>(KNTS)<br>DIR. | 1 - 3 | 4 - 6 | 7 - 10 | 11 - 16 | 17 - 21 | 22 - 27 | 28 - 33 | 34 - 40 | 41 - 47 | 48 - 55 | ≥ 56 | %     | MEAN<br>WIND<br>SPEED |
|-------------------------|-------|-------|--------|---------|---------|---------|---------|---------|---------|---------|------|-------|-----------------------|
| N                       | .5    | .8    | .8     |         |         |         |         |         |         |         |      | 2.5   | 4.7                   |
| NNE                     |       | .8    | 2.5    |         |         |         |         |         |         |         |      | 3.3   | 7.8                   |
| NE                      |       | .8    | 6.6    | 5.0     |         |         |         |         |         |         |      | 12.4  | 10.6                  |
| ENE                     |       | 4.1   | 9.1    | 11.6    | .8      |         |         |         |         |         |      | 25.6  | 10.1                  |
| E                       |       | 3.3   | 1.7    | 9.1     | 2.5     | 4.1     |         |         |         |         |      | 22.7  | 14.4                  |
| ESE                     |       | .8    | .8     | 1.7     | 1.7     | .8      |         |         |         |         |      | 5.8   | 15.0                  |
| SE                      |       | .8    | .8     |         |         |         |         |         |         |         |      | 1.7   | 7.0                   |
| SSE                     |       |       |        |         |         |         |         |         |         |         |      |       |                       |
| S                       |       |       |        |         |         |         |         |         |         |         |      |       |                       |
| SSW                     | .8    |       |        |         |         |         |         |         |         |         |      | .8    | 3.0                   |
| SW                      |       | 1.7   |        |         |         |         |         |         |         |         |      | 1.7   | 5.5                   |
| WSW                     | .8    | 3.3   |        |         |         |         |         |         |         |         |      | 4.1   | 4.2                   |
| W                       | .8    | 2.5   | .8     |         |         |         |         |         |         |         |      | 4.1   | 5.4                   |
| WNW                     | 2.5   | .8    | 3.3    |         |         |         |         |         |         |         |      | 6.6   | 5.3                   |
| NW                      | .8    | 2.5   | 1.7    |         |         |         |         |         |         |         |      | 5.0   | 6.0                   |
| NNW                     | .8    | .8    | 4.1    |         |         |         |         |         |         |         |      | 5.8   | 6.4                   |
| VARBL                   |       |       |        |         |         |         |         |         |         |         |      |       |                       |
| CALM                    |       |       |        |         |         |         |         |         |         |         |      |       |                       |
|                         | 7.4   | 23.1  | 32.2   | 27.3    | 5.0     | 5.0     |         |         |         |         |      | 100.0 | 9.8                   |

TOTAL NUMBER OF OBSERVATIONS 121

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

# SURFACE WINDS

## PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

0001 MAUI OPTICAL SITE HI NORTH TOWER 78-79 JUN  
STATION STATION NAME YEARS MONTH  
ALL WEATHER 1800-2000  
CLASS HOURS (L.S.T.)  
CONDITION

| SPEED<br>(KNTS)<br>DIR. | 1 - 3 | 4 - 6 | 7 - 10 | 11 - 16 | 17 - 21 | 22 - 27 | 28 - 33 | 34 - 40 | 41 - 47 | 48 - 55 | ≥ 56 | %     | MEAN<br>WIND<br>SPEED |
|-------------------------|-------|-------|--------|---------|---------|---------|---------|---------|---------|---------|------|-------|-----------------------|
| N                       | .8    | 1.6   |        |         |         |         |         |         |         |         |      | 2.4   | 4.2                   |
| NNE                     |       | 4.7   | 1.6    | 2.4     |         |         |         |         |         |         |      | 8.1   | 8.0                   |
| NE                      |       | 2.4   | 4.0    | 7.3     | .8      |         |         |         |         |         |      | 14.5  | 10.9                  |
| ENE                     | .8    | 5.6   | 8.9    | 9.7     | 1.6     | .8      | .8      |         |         |         |      | 28.2  | 10.8                  |
| E                       | .8    |       | 3.2    | 7.3     | 6.5     | 2.4     | 1.6     |         |         |         |      | 21.8  | 15.6                  |
| ESE                     |       |       | 1.6    | .8      | 1.6     | 1.6     |         |         |         |         |      | 5.6   | 16.7                  |
| SE                      | .8    | 1.6   | 1.6    | .8      |         |         |         |         |         |         |      | 4.8   | 7.5                   |
| SSE                     |       | .8    | .8     |         |         |         |         |         |         |         |      | 1.6   | 6.5                   |
| S                       |       | .8    |        |         |         |         |         |         |         |         |      | .8    | 4.0                   |
| SSW                     | 1.6   |       |        |         |         |         |         |         |         |         |      | 1.6   | 2.5                   |
| SW                      | 2.4   |       |        |         |         |         |         |         |         |         |      | 2.4   | 2.3                   |
| WSW                     |       |       |        |         |         |         |         |         |         |         |      |       |                       |
| W                       | .8    | 1.6   |        |         |         |         |         |         |         |         |      | 2.4   | 4.3                   |
| WNW                     |       | 1.6   | .8     |         |         |         |         |         |         |         |      | 2.4   | 5.3                   |
| NW                      |       |       |        |         |         |         |         |         |         |         |      |       |                       |
| NNW                     |       | 1.6   | 1.6    |         |         |         |         |         |         |         |      | 3.2   | 6.3                   |
| VARBL                   |       |       |        |         |         |         |         |         |         |         |      |       |                       |
| CALM                    |       |       |        |         |         |         |         |         |         |         |      |       |                       |
|                         | 8.1   | 21.3  | 24.2   | 29.2    | 10.5    | 4.8     | 2.4     |         |         |         |      | 100.0 | 12.8                  |

TOTAL NUMBER OF OBSERVATIONS 124

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
ATC WEATHER SERVICE/MAC

# SURFACE WINDS

## PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

001 MAUI OPTICAL SITE HI NORTH TOWER 78-79 JUN  
STATION STATION NAME YEARS MONTH  
ALL WEATHER  
CLASS  
2100-2300  
HOURS (L.S.T.)

CONDITION

| SPEED<br>(KNTS)<br>DIR. | 1 - 3 | 4 - 6 | 7 - 10 | 11 - 16 | 17 - 21 | 22 - 27 | 28 - 33 | 34 - 40 | 41 - 47 | 48 - 55 | ≥ 56 | %     | MEAN<br>WIND<br>SPEED |
|-------------------------|-------|-------|--------|---------|---------|---------|---------|---------|---------|---------|------|-------|-----------------------|
| N                       |       | 2.4   | .8     | .8      |         |         |         |         |         |         |      | 4.1   | 7.0                   |
| NNE                     | .8    | 2.4   |        | 1.6     |         |         |         |         |         |         |      | 4.9   | 6.8                   |
| NE                      |       | 1.6   | 7.3    | 3.3     |         | .8      |         |         |         |         |      | 13.0  | 10.9                  |
| ENE                     |       |       | 9.8    | 13.8    | 6.5     | 2.4     |         |         |         |         |      | 32.5  | 13.5                  |
| E                       |       | .8    | 2.4    | 5.7     | 1.6     | 2.4     |         |         |         |         |      | 13.0  | 14.7                  |
| ESE                     |       | 2.4   | 1.6    | 3.3     | 2.4     | 1.6     |         |         |         |         |      | 11.4  | 13.5                  |
| SE                      |       | 2.4   | 1.6    | 1.6     | 2.4     |         |         |         |         |         |      | 8.1   | 11.1                  |
| SSE                     |       | .8    |        |         |         |         |         |         |         |         |      | .8    | 4.0                   |
| S                       | 1.6   |       |        |         |         |         |         |         |         |         |      | 1.6   | 2.0                   |
| SSW                     | 2.4   |       |        |         |         |         |         |         |         |         |      | 2.4   | 3.0                   |
| SW                      | 1.6   |       |        |         |         |         |         |         |         |         |      | 1.6   | 2.0                   |
| WSW                     |       |       |        |         |         |         |         |         |         |         |      |       |                       |
| W                       |       |       |        |         |         |         |         |         |         |         |      |       |                       |
| WNW                     | 2.4   |       |        |         |         |         |         |         |         |         |      | 2.4   | 2.3                   |
| NW                      | 1.6   | .8    |        |         |         |         |         |         |         |         |      | 2.4   | 2.3                   |
| NNW                     |       | .8    | .8     |         |         |         |         |         |         |         |      | 1.6   | 6.5                   |
| VARBL                   |       |       |        |         |         |         |         |         |         |         |      |       |                       |
| CALM                    |       |       |        |         |         |         |         |         |         |         |      |       |                       |
|                         | 11.6  | 14.6  | 24.4   | 30.1    | 13.0    | 7.3     |         |         |         |         |      | 170.0 | 11.2                  |

TOTAL NUMBER OF OBSERVATIONS 123

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
ATC WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

0001 MAUI OPTICAL SITE HI NORTH TOWER 78-79  
STATION STATION NAME YEARS  
ALL WEATHER  
CLASS  
CONDITION  
JUN  
MONTH  
ALL  
HOURS (L.S.T.)

| SPEED<br>(KNTS)<br>DIR. | 1 - 3 | 4 - 6 | 7 - 10 | 11 - 16 | 17 - 21 | 22 - 27 | 28 - 33 | 34 - 40 | 41 - 47 | 48 - 55 | ≥ 56 | %     | MEAN<br>WIND<br>SPEED |
|-------------------------|-------|-------|--------|---------|---------|---------|---------|---------|---------|---------|------|-------|-----------------------|
| N                       | .4    | 1.5   | 1.3    | .1      |         |         |         |         |         |         |      | 3.2   | 6.1                   |
| NNE                     | .5    | 2.3   | 1.9    | 1.1     | .1      |         |         |         |         |         |      | 5.9   | 7.6                   |
| NE                      | .4    | 2.1   | 5.2    | 4.8     | 1.4     | .2      |         |         |         |         |      | 14.1  | 13.8                  |
| ENE                     | .1    | 2.6   | 7.1    | 8.7     | 3.5     | 1.8     | .2      |         |         |         |      | 24.0  | 12.6                  |
| E                       | .3    | 1.1   | 2.8    | 6.4     | 4.5     | 2.5     | .5      |         |         |         |      | 18.1  | 15.1                  |
| ESE                     | .1    | 1.0   | 1.6    | 2.5     | 2.7     | 1.3     | .1      |         |         |         |      | 9.3   | 14.7                  |
| SE                      | .5    | 1.4   | 1.3    | 1.3     | .6      |         |         |         |         |         |      | 5.0   | 9.4                   |
| SSE                     | .7    | .7    | .5     |         |         |         |         |         |         |         |      | 2.0   | 5.2                   |
| S                       | .6    | .5    |        |         |         |         |         |         |         |         |      | 1.1   | 3.2                   |
| SSW                     | .9    | .5    | .2     |         |         |         |         |         |         |         |      | 1.7   | 3.8                   |
| SW                      | .7    | .9    | .3     |         |         |         |         |         |         |         |      | 2.0   | 4.6                   |
| WSW                     | .9    | .8    |        |         |         |         |         |         |         |         |      | 1.7   | 3.2                   |
| W                       | 1.3   | 1.0   | .2     |         |         |         |         |         |         |         |      | 2.5   | 4.2                   |
| WNW                     | 1.3   | .9    | .8     |         |         |         |         |         |         |         |      | 3.0   | 4.4                   |
| NW                      | 1.0   | 1.6   | .7     |         |         |         |         |         |         |         |      | 3.3   | 4.8                   |
| NNW                     | .4    | 1.1   | 1.5    |         |         |         |         |         |         |         |      | 3.0   | 6.0                   |
| VARBL                   |       |       |        |         |         |         |         |         |         |         |      |       |                       |
| CALM                    |       |       |        |         |         |         |         |         |         |         |      |       |                       |
|                         | 10.2  | 27.2  | 25.3   | 24.8    | 12.8    | 5.7     | .8      |         |         |         |      | 100.0 | 10.7                  |

TOTAL NUMBER OF OBSERVATIONS 959

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AF WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

STATION MAUI OPTICAL SITE HI NORTH TOWER STATION NAME 78-79 YEARS JUL  
MONTH 0000-0200  
HOURS (L.S.T.)  
ALL WEATHER  
CLASS  
CONDITION

| SPEED<br>(KNTS)<br>DIR. | 1 - 3 | 4 - 6 | 7 - 10 | 11 - 16 | 17 - 21 | 22 - 27 | 28 - 33 | 34 - 40 | 41 - 47 | 48 - 55 | ≥ 56 | %     | MEAN<br>WIND<br>SPEED |
|-------------------------|-------|-------|--------|---------|---------|---------|---------|---------|---------|---------|------|-------|-----------------------|
| N                       |       | 1.2   | 1.2    |         |         |         |         |         |         |         |      | 2.4   | 6.8                   |
| NNE                     | .6    | 1.8   | 1.8    | .6      |         | 1.2     | .6      |         |         |         |      | 6.6   | 12.5                  |
| NE                      | 1.8   | 2.4   | 5.4    | 3.0     | 2.4     |         |         |         |         |         |      | 15.1  | 9.8                   |
| ENE                     | 1.2   | 1.8   | 9.0    | 8.4     | 4.2     | 1.8     | .6      |         |         |         |      | 27.1  | 12.5                  |
| E                       |       | 1.2   | 4.2    | 0.6     | 6.6     | 6.0     |         |         |         |         |      | 27.7  | 15.8                  |
| ESE                     |       |       |        | 3.0     | 1.2     |         |         |         |         |         |      | 4.2   | 15.7                  |
| SE                      | .6    |       | .6     | 1.2     | 1.2     |         |         |         |         |         |      | 3.6   | 12.3                  |
| SSE                     |       | .6    |        | 1.2     | .6      |         |         |         |         |         |      | 2.4   | 11.8                  |
| S                       |       | .6    |        | .6      |         |         |         |         |         |         |      | 1.2   | 10.5                  |
| SSW                     |       | .6    |        |         |         |         |         |         |         |         |      | .6    | 4.0                   |
| SW                      |       |       | .6     |         |         |         |         |         |         |         |      | .6    | 7.0                   |
| WSW                     | .6    |       |        |         |         |         |         |         |         |         |      | .6    | 3.0                   |
| W                       | .6    | 1.8   | .6     |         |         |         |         |         |         |         |      | 3.0   | 5.4                   |
| WNW                     |       | .6    | .6     |         |         |         |         |         |         |         |      | 1.2   | 8.7                   |
| NW                      |       |       | .6     |         |         |         |         |         |         |         |      | .6    | 7.0                   |
| NNW                     |       | 1.2   | 1.2    | .6      |         |         |         |         |         |         |      | 3.0   | 8.0                   |
| VARBL                   |       |       |        |         |         |         |         |         |         |         |      |       |                       |
| CALM                    |       |       |        |         |         |         |         |         |         |         |      |       |                       |
|                         | 5.4   | 13.9  | 25.9   | 28.3    | 16.3    | 9.1     | 1.2     |         |         |         |      | 100.0 | 12.4                  |

TOTAL NUMBER OF OBSERVATIONS 166

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

# SURFACE WINDS

## PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

0001      MAUI OPTICAL SITE HI NORTH TOWER      78-79      JUL

STATION      STATION NAME      YEARS      MONTH

ALL WEATHER      1309-2500

CLASS      HOURS (L.S.T.)

CONDITION

| SPEED<br>(KNTS)<br>DIR. | 1 - 3 | 4 - 6 | 7 - 10 | 11 - 16 | 17 - 21 | 22 - 27 | 28 - 33 | 34 - 40 | 41 - 47 | 48 - 55 | ≥ 56 | %     | MEAN<br>WIND<br>SPEED |
|-------------------------|-------|-------|--------|---------|---------|---------|---------|---------|---------|---------|------|-------|-----------------------|
| N                       |       |       | 1.8    |         |         |         |         |         |         |         |      | 1.3   | 8.0                   |
| NNE                     | .6    | 1.8   | .6     |         | 1.2     | .6      |         |         |         |         |      | 4.8   | 10.9                  |
| NE                      |       | .6    | 3.6    | 5.4     | 1.2     | 1.2     |         |         |         |         |      | 11.4  | 13.5                  |
| ENE                     | .6    | 4.2   | 12.7   | 17.8    | 4.8     | .6      |         |         |         |         |      | 33.7  | 11.3                  |
| E                       |       |       | 4.2    | 7.8     | 4.2     | 5.4     | .6      |         |         |         |      | 22.3  | 10.4                  |
| ESE                     |       | .6    | 1.2    | 3.6     | 3.6     | .6      |         |         |         |         |      | 9.6   | 14.9                  |
| SE                      |       |       |        | 1.8     |         |         |         |         |         |         |      | 1.8   | 11.7                  |
| SSE                     | .6    |       | .6     | 1.2     | .6      |         |         |         |         |         |      | 3.0   | 12.4                  |
| S                       |       |       |        |         | .6      |         |         |         |         |         |      | .6    | 18.0                  |
| SSW                     |       |       |        |         |         |         |         |         |         |         |      |       |                       |
| SW                      | .6    |       |        |         |         |         |         |         |         |         |      | .6    | 3.0                   |
| WSW                     |       |       |        |         |         |         |         |         |         |         |      |       |                       |
| W                       |       | 1.8   |        |         |         |         |         |         |         |         |      | 1.8   | 5.0                   |
| WNW                     | .6    | 1.8   | .6     |         |         |         |         |         |         |         |      | 3.6   | 4.4                   |
| NW                      | .6    | 1.8   | 1.2    |         |         |         |         |         |         |         |      | 3.6   | 5.5                   |
| NNW                     |       | .6    | 1.2    |         |         |         |         |         |         |         |      | 1.8   | 7.3                   |
| VARBL                   |       |       |        |         |         |         |         |         |         |         |      |       |                       |
| CALM                    |       |       |        |         |         |         |         |         |         |         |      |       |                       |
|                         | 3.6   | 13.3  | 27.1   | 37.7    | 16.3    | 8.4     | .6      |         |         |         |      | 100.0 | 12.4                  |

TOTAL NUMBER OF OBSERVATIONS      166



GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

# SURFACE WINDS

## PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

STATION MAUI OPTICAL SITE HI NORTH TOWER STATION NAME MAUI OPTICAL SITE HI NORTH TOWER YEARS 78-79 MONTH JUL

CLASS ALL WEATHER HOURS (L.S.T.) 1600-0800

CONDITION

| SPEED (KNTS) DIR. | 1 - 3 | 4 - 6 | 7 - 10 | 11 - 16 | 17 - 21 | 22 - 27 | 28 - 33 | 34 - 40 | 41 - 47 | 48 - 55 | ≥ 56 | %     | MEAN WIND SPEED |
|-------------------|-------|-------|--------|---------|---------|---------|---------|---------|---------|---------|------|-------|-----------------|
| N                 |       | 1.2   | 1.2    |         |         |         |         |         |         |         |      | 2.5   | 7.0             |
| NNE               | .6    | 1.9   | 1.2    | .6      |         |         |         |         |         |         |      | 4.3   | 6.9             |
| NE                |       | 1.9   | 9.3    | 3.1     | 3.1     | 1.2     |         |         |         |         |      | 18.5  | 11.7            |
| ENE               |       | 4.3   | 7.4    | 12.3    | 4.9     | 1.2     |         |         |         |         |      | 30.2  | 11.8            |
| E                 |       | .6    | 1.9    | 7.4     | 6.8     | 3.7     | 1.2     |         |         |         |      | 21.6  | 17.3            |
| ESE               | .6    | 1.2   |        | .6      |         | .6      | .6      |         |         |         |      | 3.7   | 13.5            |
| SE                |       | 1.2   | .6     |         | 2.5     | .6      |         |         |         |         |      | 4.9   | 15.7            |
| SSE               |       |       | 1.2    | 1.9     |         |         |         |         |         |         |      | 3.1   | 12.2            |
| S                 | .6    | .6    |        |         |         |         |         |         |         |         |      | 1.2   | 4.5             |
| SSW               | .6    |       | 1.2    |         |         |         |         |         |         |         |      | 1.9   | 6.0             |
| SW                |       |       |        |         |         |         |         |         |         |         |      |       |                 |
| WSW               |       | .6    |        |         |         |         |         |         |         |         |      | .6    | 4.0             |
| W                 |       |       |        |         |         |         |         |         |         |         |      |       |                 |
| WNW               | .6    | 2.5   |        |         |         |         |         |         |         |         |      | 3.1   | 4.0             |
| NW                |       | .6    | .6     |         |         |         |         |         |         |         |      | 1.2   | 6.5             |
| NNW               | .6    | .6    | 1.2    | .6      |         |         |         |         |         |         |      | 3.1   | 8.2             |
| VARBL             |       |       |        |         |         |         |         |         |         |         |      |       |                 |
| CALM              |       |       |        |         |         |         |         |         |         |         |      |       |                 |
|                   | 3.7   | 17.3  | 25.9   | 26.5    | 17.3    | 7.4     | 1.9     |         |         |         |      | 100.0 | 12.2            |

TOTAL NUMBER OF OBSERVATIONS 162

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AFR WEATHER SERVICE/MAC

# SURFACE WINDS

## PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

STATION 0001 MAUI OPTICAL SITE HI NORTH TOWER 78-79 JUL  
STATION NAME MONTH  
ALL WEATHER 1900-1100  
CLASS HOURS (L.S.T.)  
CONDITION

| SPEED<br>(KNTS)<br>DIR. | 1-3 | 4-6  | 7-10 | 11-16 | 17-21 | 22-27 | 28-33 | 34-40 | 41-47 | 48-55 | ≥56 | %     | MEAN<br>WIND<br>SPEED |
|-------------------------|-----|------|------|-------|-------|-------|-------|-------|-------|-------|-----|-------|-----------------------|
| N                       |     | 2.5  | .6   | .6    |       |       |       |       |       |       |     | 3.7   | 7.3                   |
| NNE                     |     | .6   | 5.6  | .6    |       |       |       |       |       |       |     | 6.8   | 9.2                   |
| NE                      |     | 1.2  | 7.4  | 4.3   | 1.9   | 1.2   |       |       |       |       |     | 16.0  | 12.2                  |
| ENE                     |     | 1.9  | 5.6  | 5.6   | 4.3   | 1.9   |       |       |       |       |     | 19.1  | 13.4                  |
| E                       |     | .6   | 5.6  | 4.9   | 4.9   | 4.9   |       | 1.2   |       |       |     | 22.2  | 16.5                  |
| ESE                     |     | .6   | 1.2  | 1.2   | 1.2   | .6    |       |       |       |       |     | 4.9   | 12.9                  |
| SE                      | .6  | 1.9  | 1.2  | .6    | 1.2   |       |       |       |       |       |     | 5.6   | 9.3                   |
| SSE                     |     |      |      | 1.2   | .6    |       |       |       |       |       |     | 1.9   | 14.7                  |
| S                       |     | .6   |      |       |       |       |       |       |       |       |     | .6    | 5.8                   |
| SSW                     | .6  | 1.2  |      |       |       |       |       |       |       |       |     | 1.9   | 4.3                   |
| SW                      |     | 1.2  |      |       |       |       |       |       |       |       |     | 1.2   | 4.5                   |
| WSW                     |     |      |      |       |       |       |       |       |       |       |     |       |                       |
| W                       | 1.2 | .6   | .6   |       |       |       |       |       |       |       |     | 2.5   | 4.3                   |
| WNW                     |     | 1.9  | .6   |       |       |       |       |       |       |       |     | 2.5   | 5.3                   |
| NW                      | 3.1 | 1.2  | 1.2  |       |       |       |       |       |       |       |     | 5.6   | 4.3                   |
| NNW                     | .6  | 2.5  | 1.2  | 1.2   |       |       |       |       |       |       |     | 5.6   | 6.9                   |
| VARBL                   |     |      |      |       |       |       |       |       |       |       |     |       |                       |
| CALM                    |     |      |      |       |       |       |       |       |       |       |     |       |                       |
|                         | 6.2 | 18.5 | 30.9 | 20.4  | 14.2  | 8.6   |       | 1.2   |       |       |     | 100.0 | 11.5                  |

TOTAL NUMBER OF OBSERVATIONS 162

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AT WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

STATION MAUI OPTICAL SITE HI NORTH TOWER YEARS 73-79 MONTH JUL  
STATION NAME ALL WEATHER CLASS 1200-1400  
CONDITION HOURLY (L.S.T.)

| SPEED<br>(KNTS)<br>DIR. | 1 - 3 | 4 - 6 | 7 - 10 | 11 - 16 | 17 - 21 | 22 - 27 | 28 - 33 | 34 - 40 | 41 - 47 | 48 - 55 | ≥ 56 | %     | MEAN<br>WIND<br>SPEED |
|-------------------------|-------|-------|--------|---------|---------|---------|---------|---------|---------|---------|------|-------|-----------------------|
| N                       | .6    | 1.3   | 1.3    | .6      |         |         |         |         |         |         |      | 3.6   | 6.7                   |
| NNE                     | .6    | 4.4   | 3.1    | .6      |         |         |         |         |         |         |      | 8.8   | 6.3                   |
| NE                      | .6    | 3.8   | 5.7    | 5.0     | 3.8     |         |         |         |         |         |      | 18.9  | 10.9                  |
| ENE                     |       | .6    | 5.0    | 10.1    | 1.9     | 1.9     | .6      | 1.3     |         |         |      | 21.4  | 15.3                  |
| E                       |       | 1.3   | 3.1    | 5.0     | 1.9     | 1.9     | .6      |         |         |         |      | 13.8  | 14.0                  |
| ESE                     |       | 1.3   | .6     | 1.3     | 1.3     | 1.9     |         |         |         |         |      | 6.3   | 14.9                  |
| SE                      | .6    | .6    | 3.1    | 1.9     | 1.3     |         |         |         |         |         |      | 7.5   | 10.6                  |
| SSE                     |       | .6    |        |         |         |         |         |         |         |         |      | .6    | 4.0                   |
| S                       |       | .6    | .6     |         |         |         |         |         |         |         |      | 1.3   | 6.5                   |
| SSW                     | .6    |       |        |         |         |         |         |         |         |         |      | .6    | 2.0                   |
| SW                      |       | .6    |        |         |         |         |         |         |         |         |      | .6    | 4.0                   |
| WSW                     | .6    | 1.3   |        |         |         |         |         |         |         |         |      | 1.9   | 4.0                   |
| W                       |       | 1.3   |        |         |         |         |         |         |         |         |      | 1.3   | 4.0                   |
| WNW                     | 2.5   | .6    | .6     |         |         |         |         |         |         |         |      | 3.8   | 4.5                   |
| NW                      | 1.3   | 1.9   | 1.9    | .6      | .6      |         |         |         |         |         |      | 6.3   | 7.3                   |
| NNW                     | .6    | 1.9   | .6     |         |         |         |         |         |         |         |      | 3.1   | 4.8                   |
| VARBL                   |       |       |        |         |         |         |         |         |         |         |      |       |                       |
| CALM                    |       |       |        |         |         |         |         |         |         |         |      |       |                       |
|                         | 8.2   | 22.1  | 25.8   | 25.2    | 10.7    | 5.7     | 1.3     | 1.3     |         |         |      | 100.0 | 10.4                  |

TOTAL NUMBER OF OBSERVATIONS 159

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

# SURFACE WINDS

## PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

STATION 0001 STATION NAME MAUI OPTICAL SITE HI NORTH TOWER YEARS 78-79 MONTH JUL  
ALL WEATHER CLASS 1500-1700  
CONDITION HOURLY (L & T.)

| SPEED<br>(KNTS)<br>DIR. | 1 - 3 | 4 - 6 | 7 - 10 | 11 - 16 | 17 - 21 | 22 - 27 | 28 - 33 | 34 - 40 | 41 - 47 | 48 - 55 | ≥ 56 | %     | MEAN<br>WIND<br>SPEED |
|-------------------------|-------|-------|--------|---------|---------|---------|---------|---------|---------|---------|------|-------|-----------------------|
| N                       |       | .6    | 2.4    |         |         |         |         |         |         |         |      | 3.0   | 7.6                   |
| NNE                     |       | 1.2   | 5.5    | 3.0     |         |         |         |         |         |         |      | 9.7   | 9.3                   |
| NE                      | 1.2   | 3.6   | 6.1    | 9.1     | 4.2     |         |         |         |         |         |      | 24.2  | 11.3                  |
| ENE                     | 1.2   | 2.4   | 2.4    | 6.7     | 4.8     | 1.8     | .6      |         |         |         |      | 20.0  | 13.0                  |
| E                       | .6    | .6    | 4.2    | 7.3     | 1.2     | 1.2     |         | .6      |         | .6      |      | 16.4  | 14.4                  |
| ESE                     |       |       | 1.8    | 2.4     | .6      |         | .6      |         |         |         |      | 5.5   | 14.3                  |
| SE                      |       |       |        | 1.2     |         |         |         |         |         |         |      | 1.2   | 13.0                  |
| SSE                     | .6    | .6    | .6     |         |         |         |         |         |         |         |      | 1.8   | 5.3                   |
| S                       | .6    |       |        |         |         |         |         |         |         |         |      | .6    | 2.0                   |
| SSW                     | .6    |       |        |         |         |         |         |         |         |         |      | .6    | 3.0                   |
| SW                      |       | 1.2   |        |         |         |         |         |         |         |         |      | 1.2   | 4.0                   |
| WSW                     |       |       |        |         |         |         |         |         |         |         |      |       |                       |
| W                       | .6    | 1.2   | 1.2    |         |         |         |         |         |         |         |      | 3.0   | 5.6                   |
| WNW                     | .6    | 2.4   | 2.4    |         |         |         |         |         |         |         |      | 5.5   | 5.9                   |
| NW                      | 1.2   | 1.8   |        | 1.2     |         |         |         |         |         |         |      | 4.2   | 6.0                   |
| NNW                     |       | 1.2   | 1.8    |         |         |         |         |         |         |         |      | 3.0   | 6.2                   |
| VARBL                   |       |       |        |         |         |         |         |         |         |         |      |       |                       |
| CALM                    |       |       |        |         |         |         |         |         |         |         |      |       |                       |
|                         | 7.3   | 17.0  | 28.5   | 31.9    | 10.9    | 3.0     | 1.2     | .6      |         | .6      |      | 100.0 | 11.0                  |

TOTAL NUMBER OF OBSERVATIONS 165

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

# SURFACE WINDS

## PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

0001 MAUI OPTICAL SITE HI NORTH TOWER 78-79 JUL  
STATION NAME YEARS MONTH  
ALL WEATHER  
CLASS  
CONDITION  
1870-2000  
HOURS (L.S.T.)

| SPEED<br>(KNTS)<br>DIR. | 1-3 | 4-6  | 7-10 | 11-16 | 17-21 | 22-27 | 28-33 | 34-40 | 41-47 | 48-55 | ≥56 | %     | MEAN<br>WIND<br>SPEED |
|-------------------------|-----|------|------|-------|-------|-------|-------|-------|-------|-------|-----|-------|-----------------------|
| N                       |     | 1.2  | .6   |       |       |       |       |       |       |       |     | 1.8   | 7.0                   |
| NNE                     |     | 2.4  | 2.4  | 1.2   | .6    |       |       |       |       |       |     | 6.7   | 9.3                   |
| NE                      |     | 1.8  | 5.5  | 13.3  | 2.4   |       |       |       |       |       |     | 23.0  | 12.4                  |
| ENE                     |     | 2.4  | 7.3  | 7.9   | 3.0   | 1.2   | 1.8   |       |       |       |     | 23.6  | 13.6                  |
| E                       |     | 1.8  | 7.9  | 6.1   | 1.2   | 3.0   | 1.2   |       |       |       |     | 21.2  | 13.5                  |
| ESE                     |     | .6   | 1.2  | 3.0   |       |       |       | .6    |       |       |     | 5.5   | 14.1                  |
| SE                      | .6  |      |      |       |       |       |       |       |       |       |     | .6    | 3.7                   |
| SSE                     |     |      |      |       |       |       |       |       |       |       |     |       |                       |
| S                       | .6  |      | .6   | .6    | .6    |       |       |       |       |       |     | 2.4   | 10.8                  |
| SSW                     |     |      |      |       |       |       |       |       |       |       |     |       |                       |
| SW                      |     |      | .6   |       |       |       |       |       |       |       |     | .6    | 8.0                   |
| WSW                     | .6  | .6   | .6   |       |       |       |       |       |       |       |     | 1.8   | 5.3                   |
| W                       |     |      | .6   |       |       |       |       |       |       |       |     | .6    | 2.0                   |
| WNW                     | 1.8 |      |      |       |       |       |       |       |       |       |     | 1.8   | 2.3                   |
| NW                      | .6  | 2.4  | 1.2  | 3.0   |       |       |       |       |       |       |     | 7.3   | 7.8                   |
| NNW                     | .6  | 1.2  | 1.2  |       |       |       |       |       |       |       |     | 3.0   | 5.4                   |
| VARBL                   |     |      |      |       |       |       |       |       |       |       |     |       |                       |
| CALM                    |     |      |      |       |       |       |       |       |       |       |     |       |                       |
|                         | 4.8 | 14.5 | 29.7 | 35.2  | 7.9   | 4.2   | 3.0   | .6    |       |       |     | 100.0 | 11.7                  |

TOTAL NUMBER OF OBSERVATIONS 165

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

# SURFACE WINDS

## PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

STATION 0001 STATION NAME MAUI OPTICAL SITE HI NORTH TOWER YEARS 78-79 MONTH JUL  
CLASS ALL WEATHER HOURS (L.S.T.) 2100-2300  
CONDITION \_\_\_\_\_

| SPEED<br>(KNTS)<br>DIR. | 1 - 3 | 4 - 6 | 7 - 10 | 11 - 16 | 17 - 21 | 22 - 27 | 28 - 33 | 34 - 40 | 41 - 47 | 48 - 55 | ≥ 56 | %     | MEAN<br>WIND<br>SPEED |
|-------------------------|-------|-------|--------|---------|---------|---------|---------|---------|---------|---------|------|-------|-----------------------|
| N                       |       | 1.2   | .6     | 1.2     |         |         |         |         |         |         |      | 3.7   | 8.8                   |
| NNE                     |       | 2.4   |        | .6      |         | .6      |         |         |         |         |      | 3.6   | 9.7                   |
| NE                      |       | 3.0   | 9.5    | 17.7    | 1.2     | 1.2     |         |         |         |         |      | 25.4  | 11.4                  |
| ENE                     | .6    | 1.2   | 7.7    | 15.4    | 3.0     | 4.1     |         |         |         |         |      | 32.0  | 13.1                  |
| E                       |       | .6    | 4.1    | 5.9     | 2.4     | 4.1     |         |         |         |         |      | 17.2  | 15.3                  |
| ESE                     |       | .6    | 1.2    | 1.8     | 1.2     | .6      | 1.2     | .6      |         |         |      | 7.1   | 18.5                  |
| SE                      |       |       | .6     |         |         |         |         |         |         |         |      | .6    | 7.7                   |
| SSE                     |       |       |        | 1.2     |         |         |         |         |         |         |      | 1.2   | 14.5                  |
| S                       |       |       |        | .6      |         |         |         |         |         |         |      | .6    | 16.0                  |
| SSW                     |       |       |        |         |         |         |         |         |         |         |      |       |                       |
| SW                      |       |       | 1.2    |         |         |         |         |         |         |         |      | 1.2   | 7.5                   |
| WSW                     | .6    | .6    |        |         |         |         |         |         |         |         |      | 1.2   | 4.5                   |
| W                       |       | .6    |        |         |         |         |         |         |         |         |      | .6    | 4.7                   |
| WNW                     |       |       | .6     |         |         |         |         |         |         |         |      | .6    | 7.0                   |
| NW                      |       |       | 3.0    |         |         |         |         |         |         |         |      | 3.0   | 8.8                   |
| NNW                     |       | .6    | 1.8    | .6      |         |         |         |         |         |         |      | 3.0   | 8.2                   |
| VARBL                   |       |       |        |         |         |         |         |         |         |         |      |       |                       |
| CALM                    |       |       |        |         |         |         |         |         |         |         |      |       |                       |
|                         | 1.2   | 11.7  | 30.2   | 37.9    | 7.7     | 11.7    | 1.2     | .6      |         |         |      | 100.0 | 12.7                  |

TOTAL NUMBER OF OBSERVATIONS 169

GLOBAL CLIMATOLOGY BRANCH  
JGAFETAC,  
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

STATION MAUI OPTICAL SITE HI NORTH TOWER YEAR 78-79 MONTH JUL  
STATION NAME CLASS ALL WEATHER HOUR (L.S.T.) ALL  
CONDITION

| SPEED (KNTS) DIR. | 1 - 3 | 4 - 6 | 7 - 10 | 11 - 16 | 17 - 21 | 22 - 27 | 28 - 33 | 34 - 40 | 41 - 47 | 48 - 55 | ≥ 56 | %     | MEAN WIND SPEED |
|-------------------|-------|-------|--------|---------|---------|---------|---------|---------|---------|---------|------|-------|-----------------|
| N                 | .1    | 1.1   | 1.2    | .3      |         |         |         |         |         |         |      | 2.7   | 7.4             |
| NNE               | .3    | 2.1   | 2.5    | .9      | .2      | .3      | .1      |         |         |         |      | 6.4   | 9.3             |
| NE                | .5    | 2.3   | 6.5    | 6.8     | 2.5     | .6      |         |         |         |         |      | 19.1  | 11.6            |
| ENE               | .5    | 2.4   | 7.2    | 9.7     | 3.9     | 1.8     | .5      | .2      |         |         |      | 26.0  | 12.9            |
| E                 | .1    | .8    | 4.4    | 6.8     | 3.7     | 3.8     | .5      | .2      |         | .1      |      | 20.3  | 15.5            |
| ESE               | .1    | .6    | .9     | 2.1     | 1.1     | .5      | .3      | .2      |         |         |      | 5.9   | 15.1            |
| SE                | .3    | .5    | .8     | .8      | .8      | .1      |         |         |         |         |      | 3.2   | 11.3            |
| SSE               | .2    | .2    | .3     | .8      | .2      |         |         |         |         |         |      | 1.8   | 11.4            |
| S                 | .2    | .3    | .2     | .2      | .2      |         |         |         |         |         |      | 1.1   | 9.1             |
| SSW               | .3    | .2    | .2     |         |         |         |         |         |         |         |      | .7    | 4.4             |
| SW                | .1    | .4    | .3     |         |         |         |         |         |         |         |      | .8    | 5.4             |
| WSW               | .3    | .4    | .1     |         |         |         |         |         |         |         |      | .8    | 4.4             |
| W                 | .3    | .7    | .4     |         |         |         |         |         |         |         |      | 1.6   | 5.1             |
| WNW               | .8    | 1.2   | .7     |         |         |         |         |         |         |         |      | 2.7   | 4.9             |
| NW                | .8    | 1.2   | 1.2    | .6      | .1      |         |         |         |         |         |      | 4.0   | 6.6             |
| NNW               | .3    | 1.2   | 1.3    | .4      |         |         |         |         |         |         |      | 3.2   | 6.9             |
| VARBL             |       |       |        |         |         |         |         |         |         |         |      |       |                 |
| CALM              |       |       |        |         |         |         |         |         |         |         |      |       |                 |
|                   | 5.7   | 15.8  | 28.0   | 29.5    | 12.6    | 7.2     | 1.3     | .5      |         | .1      |      | 100.0 | 11.8            |

TOTAL NUMBER OF OBSERVATIONS 1314

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

## SURFACE WINDS

### PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

0001 MAUI OPTICAL SITE HI NORTH TOWER 78-79  
STATION NAME YEARS  
ALL WEATHER  
CLASS  
CONDITION  
AUG  
MONTH  
1000-0200  
HOURS (L.S.T.)

| SPEED<br>(KNTS)<br>DIR. | 1 - 3 | 4 - 6 | 7 - 10 | 11 - 16 | 17 - 21 | 22 - 27 | 28 - 33 | 34 - 40 | 41 - 47 | 48 - 55 | ≥ 56 | %     | MEAN<br>WIND<br>SPEED |
|-------------------------|-------|-------|--------|---------|---------|---------|---------|---------|---------|---------|------|-------|-----------------------|
| N                       |       | 1.1   | 1.1    |         |         |         |         |         |         |         |      | 2.2   | 6.3                   |
| NNE                     | 1.1   | 1.6   | 2.2    | .5      |         |         |         |         |         |         |      | 5.5   | 6.4                   |
| NE                      | 1.1   | 4.4   | 6.6    | 4.9     | 3.8     | .5      |         |         |         |         |      | 21.4  | 10.4                  |
| ENE                     |       | 2.2   | 7.1    | 8.8     | 1.6     | 1.6     |         |         |         |         |      | 21.4  | 12.1                  |
| E                       |       | 2.2   | 2.2    | 8.8     | 1.6     | 2.2     | .5      | .5      |         |         |      | 18.1  | 15.0                  |
| ESE                     | 1.1   | 2.7   | 3.8    | 1.6     | 1.6     | 1.6     |         |         |         |         |      | 12.6  | 11.1                  |
| SE                      |       | 1.6   | 2.2    | .5      | .5      |         |         |         |         |         |      | 4.9   | 8.6                   |
| SSE                     | 1.6   | 1.6   | 1.1    |         |         |         |         |         |         |         |      | 4.4   | 5.7                   |
| S                       | .5    |       |        |         |         |         |         |         |         |         |      | .5    | 3.0                   |
| SSW                     | .5    | .5    | 1.1    | .5      |         |         |         |         |         |         |      | 2.7   | 7.0                   |
| SW                      | 1.1   |       |        |         |         |         |         |         |         |         |      | 1.1   | 2.0                   |
| WSW                     | .5    |       |        |         |         |         |         |         |         |         |      | .5    | 3.0                   |
| W                       | .5    |       |        | 1.6     |         |         |         |         |         |         |      | 2.2   | 1.3                   |
| WNW                     | .5    | .5    |        |         |         |         |         |         |         |         |      | 1.1   | 3.5                   |
| NW                      |       | .5    | .5     |         |         |         |         |         |         |         |      | 1.1   | 7.0                   |
| NNW                     |       |       |        |         |         |         |         |         |         |         |      |       |                       |
| VARBL                   |       |       |        |         |         |         |         |         |         |         |      |       |                       |
| CALM                    |       |       |        |         |         |         |         |         |         |         |      |       |                       |
|                         | 8.8   | 19.2  | 28.1   | 27.5    | 9.3     | 6.1     | .5      | .5      |         |         |      | 100.0 | 10.6                  |

TOTAL NUMBER OF OBSERVATIONS 182



GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

# SURFACE WINDS

## PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

STATION 0001 STATION NAME MAUI OPTICAL SITE HI NORTH TOWER YEARS 78-79 MONTH AUG  
CLASS ALL WEATHER HOURS (L.S.T.) 1300-1500  
CONDITION \_\_\_\_\_

| SPEED<br>(KNTS)<br>DIR. | 1 - 3 | 4 - 6 | 7 - 10 | 11 - 16 | 17 - 21 | 22 - 27 | 28 - 33 | 34 - 40 | 41 - 47 | 48 - 55 | ≥ 56 | %     | MEAN<br>WIND<br>SPEED |
|-------------------------|-------|-------|--------|---------|---------|---------|---------|---------|---------|---------|------|-------|-----------------------|
| N                       | .6    |       | .6     | 1.7     |         |         |         |         |         |         |      | 2.8   | 9.4                   |
| NNE                     | .6    | 2.2   | 1.7    | 1.1     |         |         |         |         |         |         |      | 5.5   | 7.1                   |
| NE                      | .6    | 1.7   | 8.8    | 5.0     | 1.7     | .6      |         |         |         |         |      | 19.2  | 12.8                  |
| ENE                     | .6    | 2.2   | 6.6    | 7.7     | 3.0     | 2.2     |         |         |         |         | .6   | 23.8  | 15.6                  |
| E                       |       | 1.1   | 5.0    | 1.7     | 2.2     | 1.7     | .6      |         |         |         |      | 12.2  | 13.6                  |
| ESE                     |       | 3.3   | .6     | 3.3     | 1.7     |         | 1.1     |         |         |         |      | 9.9   | 12.7                  |
| SE                      |       | 1.7   | 3.3    | 1.1     |         |         | .6      |         |         |         |      | 6.6   | 9.8                   |
| SSE                     | 1.7   | .6    | .6     |         |         |         |         |         |         |         |      | 2.8   | 4.6                   |
| S                       | .6    |       | 1.7    |         |         |         |         |         |         |         |      | 2.2   | 5.8                   |
| SSW                     | .6    |       |        | .6      |         |         |         |         |         |         |      | 1.1   | 7.0                   |
| SW                      | 2.8   |       |        | .6      | .6      |         |         |         |         |         |      | 3.9   | 6.4                   |
| WSW                     | .6    | .6    |        | .6      |         |         |         |         |         |         |      | 1.7   | 6.3                   |
| W                       | 2.2   |       | .6     | .6      |         |         |         |         |         |         |      | 3.3   | 5.3                   |
| WNW                     | 1.1   | 1.7   |        |         |         |         |         |         |         |         |      | 2.8   | 4.3                   |
| NW                      |       |       | .6     |         |         |         |         |         |         |         |      | .6    | 7.0                   |
| NNW                     | 1.7   | 1.1   |        |         |         |         |         |         |         |         |      | 2.8   | 3.0                   |
| VARBL                   |       |       |        |         |         |         |         |         |         |         |      |       |                       |
| CALM                    |       |       |        |         |         |         |         |         |         |         |      |       |                       |
|                         | 13.3  | 16.0  | 29.8   | 23.8    | 9.9     | 4.4     | 2.2     |         |         |         | .6   | 100.0 | 11.0                  |

TOTAL NUMBER OF OBSERVATIONS 181

GLOPAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

# SURFACE WINDS

## PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

0001  
STATION

MAUI OPTICAL SITE HI NORTH TOWER  
STATION NAME

78-79  
YEARS

AUG  
MONTH

ALL WEATHER  
CLASS

0600-0800  
HOURS (L.S.T.)

CONDITION

| SPEED<br>(KNTS)<br>DIR. | 1 - 3 | 4 - 6 | 7 - 10 | 11 - 16 | 17 - 21 | 22 - 27 | 28 - 33 | 34 - 40 | 41 - 47 | 48 - 55 | ≥ 56 | %     | MEAN<br>WIND<br>SPEED |
|-------------------------|-------|-------|--------|---------|---------|---------|---------|---------|---------|---------|------|-------|-----------------------|
| N                       | .5    | .5    | 2.2    | .5      |         |         |         |         |         |         |      | 3.8   | 7.7                   |
| NNE                     | .5    | 3.8   | 2.7    | .5      |         |         |         |         |         |         |      | 7.7   | 6.9                   |
| NE                      |       | 3.3   | 3.8    | 8.2     | 1.6     |         | .5      |         |         |         |      | 17.5  | 11.5                  |
| ENE                     |       | 2.2   | 8.2    | 10.9    | 1.6     | 2.2     |         |         |         |         |      | 25.1  | 12.6                  |
| E                       | 1.1   | 1.1   | 1.1    | 3.3     | 2.2     | .5      | 1.1     |         |         |         |      | 10.4  | 14.0                  |
| ESE                     | 1.1   | 2.7   | .5     | 1.1     | 1.1     | 1.6     | .5      |         |         |         |      | 8.7   | 12.5                  |
| SE                      | 1.6   | 2.2   | 1.1    | 1.1     | 1.1     | .5      |         |         |         |         |      | 7.7   | 9.5                   |
| SSE                     | 1.6   | .5    |        |         |         |         |         |         |         |         |      | 2.2   | 2.8                   |
| S                       | .5    | .5    |        |         |         |         |         |         |         |         |      | 1.1   | 3.5                   |
| SSW                     | .5    | .5    |        |         |         |         |         |         |         |         |      | 1.1   | 3.0                   |
| SW                      |       | 1.6   | 1.1    | 1.1     | .5      |         |         |         |         |         |      | 4.4   | 8.9                   |
| WSW                     | 1.1   |       |        | .5      |         |         |         |         |         |         |      | 1.6   | 5.7                   |
| W                       | 3.3   | .5    |        | .5      |         |         |         |         |         |         |      | 4.4   | 3.8                   |
| WNW                     | 1.1   | .5    |        |         |         |         |         |         |         |         |      | 1.6   | 4.0                   |
| NW                      | 1.6   | .5    | .5     |         |         |         |         |         |         |         |      | 2.7   | 3.6                   |
| NNW                     |       |       |        |         |         |         |         |         |         |         |      |       |                       |
| VARBL                   |       |       |        |         |         |         |         |         |         |         |      |       |                       |
| CALM                    |       |       |        |         |         |         |         |         |         |         |      |       |                       |
|                         | 14.9  | 21.8  | 21.3   | 27.9    | 8.2     | 4.9     | 2.2     |         |         |         |      | 100.0 | 10.2                  |

TOTAL NUMBER OF OBSERVATIONS

183

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

STATION 0001 STATION NAME MAUI OPTICAL SITE HI NORTH TOWER YEARS 78-79 MONTH AUG  
CLASS ALL WEATHER HOURS (L.S.T.) 0900-1100  
CONDITION

| SPEED<br>(KNTS)<br>DIR. | 1 - 3 | 4 - 6 | 7 - 10 | 11 - 16 | 17 - 21 | 22 - 27 | 28 - 33 | 34 - 40 | 41 - 47 | 48 - 55 | ≥ 56 | %     | MEAN<br>WIND<br>SPEED |
|-------------------------|-------|-------|--------|---------|---------|---------|---------|---------|---------|---------|------|-------|-----------------------|
| N                       |       | 2.8   | 1.7    |         |         |         |         |         |         |         |      | 4.5   | 6.4                   |
| NN                      | .1    | 3.4   | 4.0    | 1.1     |         |         |         |         |         |         |      | 9.7   | 7.7                   |
| NE                      |       | 2.3   | 6.8    | 6.2     | 2.8     | .6      | .6      |         |         |         |      | 19.3  | 12.0                  |
| ENE                     | .6    | 1.7   | 2.3    | 4.0     | 4.0     | 2.8     | .6      |         |         |         |      | 15.9  | 15.3                  |
| E                       | .5    | 1.1   | 1.1    | 2.3     | 3.4     |         |         |         |         |         |      | 8.5   | 13.1                  |
| ESE                     |       | .6    |        | 2.8     | .6      | 1.1     |         |         |         |         |      | 5.1   | 15.2                  |
| SE                      | .6    | .6    | 1.1    | 1.7     | .6      | .6      | 1.1     | .6      |         |         |      | 6.8   | 16.4                  |
| SSE                     |       | 2.8   | 1.1    |         |         |         |         |         |         |         |      | 4.0   | 5.6                   |
| S                       | 1.7   | 1.1   | .6     |         |         |         |         |         |         |         |      | 3.4   | 4.5                   |
| SSW                     |       | 1.1   |        |         |         |         |         |         |         |         |      | 1.1   | 4.0                   |
| SW                      |       | 1.1   |        |         |         |         |         |         |         |         |      | 1.1   | 4.5                   |
| WSW                     | 1.7   | 1.1   | 1.1    |         |         |         |         |         |         |         |      | 4.0   | 4.7                   |
| W                       | 1.1   | 1.7   | .6     | 1.1     |         |         |         |         |         |         |      | 4.5   | 7.0                   |
| WNW                     | 1.1   | 1.1   |        |         |         |         |         |         |         |         |      | 2.3   | 3.0                   |
| NW                      | 1.1   | 3.4   | .6     | .6      |         |         |         |         |         |         |      | 5.7   | 5.1                   |
| NNW                     |       | 1.7   | 2.3    |         |         |         |         |         |         |         |      | 4.0   | 6.3                   |
| VARBL                   |       |       |        |         |         |         |         |         |         |         |      |       |                       |
| CALM                    |       |       |        |         |         |         |         |         |         |         |      |       |                       |
|                         | 9.7   | 27.8  | 23.3   | 19.9    | 11.4    | 5.1     | 2.3     | .6      |         |         |      | 100.0 | 10.3                  |

TOTAL NUMBER OF OBSERVATIONS 176

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

7001  
STATION

MAUI OPTICAL SITE HI NORTH TOWER  
STATION NAME

79-79  
YEARS

AUG  
MONTH

ALL WEATHER  
CLASS

1200-1400  
HOURS (L.S.T.)

CONDITION

| SPEED<br>(KNTS)<br>DIR. | 1 - 3 | 4 - 6 | 7 - 10 | 11 - 16 | 17 - 21 | 22 - 27 | 28 - 33 | 34 - 40 | 41 - 47 | 48 - 55 | ≥ 56 | %     | MEAN<br>WIND<br>SPEED |
|-------------------------|-------|-------|--------|---------|---------|---------|---------|---------|---------|---------|------|-------|-----------------------|
| N                       | .6    | .6    | 3.4    | .6      |         |         |         |         |         |         |      | 5.1   | 7.3                   |
| NNE                     | 1.1   | 2.3   | 4.7    | 2.3     |         |         |         |         |         |         |      | 9.6   | 7.7                   |
| NE                      |       | .6    | 5.1    | 5.6     | 2.8     | 2.3     | .6      |         |         |         |      | 16.9  | 13.9                  |
| ENE                     |       | 1.1   | 2.8    | 6.2     | 3.4     | .6      |         |         |         |         |      | 14.1  | 13.9                  |
| E                       |       | .6    | 4.7    | 1.1     | 1.7     | 1.7     |         | .6      |         |         |      | 9.6   | 14.6                  |
| ESE                     | 1.1   | 1.1   |        | 1.7     |         |         |         | .6      |         |         |      | 4.5   | 10.9                  |
| SE                      |       | 1.7   | 1.7    | 1.1     | 1.1     |         | .6      |         |         |         |      | 6.2   | 11.5                  |
| SSE                     |       | 1.1   | 1.1    |         |         |         |         |         |         |         |      | 2.3   | 6.0                   |
| S                       | .6    |       | .6     |         |         | .6      |         |         |         |         |      | 1.7   | 12.3                  |
| SSW                     | .6    | .6    | .6     |         |         |         |         |         |         |         |      | 1.7   | 5.0                   |
| SW                      |       | 2.3   | .6     |         |         |         |         |         |         |         |      | 2.8   | 5.6                   |
| WSW                     | 2.3   | .6    | .6     | .6      |         |         |         |         |         |         |      | 4.0   | 5.0                   |
| W                       | 2.3   | 1.7   |        | .6      |         |         |         |         |         |         |      | 4.5   | 4.8                   |
| WNW                     | 1.1   | 4.5   | 1.7    | .6      |         |         |         |         |         |         |      | 7.9   | 5.6                   |
| NW                      |       | 1.1   | 2.3    |         |         |         |         |         |         |         |      | 3.4   | 7.3                   |
| NNW                     | 2.3   | 1.7   | 1.7    |         |         |         |         |         |         |         |      | 5.6   | 5.4                   |
| VARBL                   |       |       |        |         |         |         |         |         |         |         |      |       |                       |
| CALM                    |       |       |        |         |         |         |         |         |         |         |      |       |                       |
|                         | 11.0  | 21.5  | 29.9   | 27.3    | 9.7     | 5.1     | 1.1     | 1.1     |         |         |      | 100.0 | 10.1                  |

TOTAL NUMBER OF OBSERVATIONS 177

GLOBAL CLIMATOLOGY BRANCH  
 USAFETAC  
 AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND  
 DIRECTION AND SPEED  
 (FROM HOURLY OBSERVATIONS)

SURFACE WINDS

STATION 001 MAUI OPTICAL SITE HI NORTH TOWER STATION NAME 78-79 YEARS AUG MONTH  
 ALL WEATHER CLASS 1500-1700 HOURS (L.S.T.)  
 CONDITION

| SPEED<br>(KNTS)<br>DIR. | 1-3 | 4-6 | 7-10 | 11-16 | 17-21 | 22-27 | 28-33 | 34-40 | 41-47 | 48-55 | ≥56 | %     | MEAN<br>WIND<br>SPEED |
|-------------------------|-----|-----|------|-------|-------|-------|-------|-------|-------|-------|-----|-------|-----------------------|
| N                       | .6  | 1.7 | 2.3  | 1.7   |       |       |       |       |       |       |     | 6.2   | 7.9                   |
| NNE                     | .6  | 1.7 | 4.5  | 1.1   |       |       |       |       |       |       |     | 7.9   | 7.6                   |
| NE                      | .6  | 5.1 | 4.1  | 1.7   | 1.1   | 1.1   |       |       |       |       |     | 13.6  | 10.2                  |
| ENE                     |     | 4.5 | 5.6  | 5.1   | 4.5   | .6    | .6    |       |       |       |     | 20.9  | 12.7                  |
| E                       | 1.7 | .6  | 1.7  | 2.8   | 1.7   | 3.4   |       | .6    |       |       |     | 12.4  | 15.5                  |
| ESE                     |     | 1.1 | 1.7  | .6    | .6    |       | .6    |       |       |       |     | 4.5   | 11.5                  |
| SE                      |     | 2.8 | 1.7  |       |       |       |       | .6    |       |       |     | 5.1   | 10.2                  |
| SSE                     |     | 1.1 | 1.1  | 1.1   | 1.1   | .6    |       |       |       |       |     | 5.1   | 12.2                  |
| S                       |     | 1.1 | .6   |       |       | .6    |       |       |       |       |     | 2.3   | 10.8                  |
| SSW                     |     | 2.3 |      |       |       |       |       |       |       |       |     | 2.3   | 4.8                   |
| SW                      | .6  | .6  |      |       |       |       |       |       |       |       |     | 1.1   | 3.0                   |
| WSW                     | 1.7 | 1.1 |      |       |       |       |       |       |       |       |     | 2.8   | 3.2                   |
| W                       | .6  | 1.1 | .6   |       |       |       |       |       |       |       |     | 2.3   | 5.3                   |
| WNW                     | .6  | 2.8 | .6   |       |       |       |       |       |       |       |     | 4.0   | 4.7                   |
| NW                      |     | 2.3 | 2.3  | .6    |       |       |       |       |       |       |     | 5.1   | 7.2                   |
| NNW                     | .6  | .6  | 1.7  | 1.7   |       |       |       |       |       |       |     | 4.5   | 8.6                   |
| VARBL                   |     |     |      |       |       |       |       |       |       |       |     |       |                       |
| CALM                    |     |     |      |       |       |       |       |       |       |       |     |       |                       |
|                         | 7.3 | 3.5 | 28.2 | 16.4  | 9.2   | 6.2   | 1.1   | 1.1   |       |       |     | 100.0 | 10.2                  |

TOTAL NUMBER OF OBSERVATIONS 177

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
ATMOSPHERIC WEATHER SERVICE/MAC

# SURFACE WINDS

## PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

STATION MAUI OPTICAL SITE HI NORTH TOWER 78-79 AUG  
STATION NAME YEARS MONTH  
ALL WEATHER  
CLASS  
CONDITION  
1800-2000  
HOURS (L.S.T.)

| SPEED<br>(KNTS)<br>DIR. | 1 - 3 | 4 - 6 | 7 - 10 | 11 - 16 | 17 - 21 | 22 - 27 | 28 - 33 | 34 - 40 | 41 - 47 | 48 - 55 | ≥ 56 | %     | MEAN<br>WIND<br>SPEED |
|-------------------------|-------|-------|--------|---------|---------|---------|---------|---------|---------|---------|------|-------|-----------------------|
| N                       | .5    | 2.7   | 1.6    | .5      |         |         |         |         |         |         |      | 5.5   | 6.6                   |
| NNE                     | 1.1   | 3.3   | .5     |         |         |         |         |         |         |         |      | 4.9   | 7.7                   |
| NE                      | .5    | 2.2   | 6.0    | 4.9     | 1.1     | .5      | .5      |         |         |         |      | 15.9  | 11.1                  |
| ENE                     | .5    | .5    | 7.7    | 11.0    | 4.4     | 1.1     | .5      |         |         |         |      | 25.8  | 13.0                  |
| E                       |       | .5    | 7.1    | 3.8     | 1.1     | 2.2     | 2.2     | .5      |         |         |      | 17.6  | 15.7                  |
| ESE                     | .5    | .5    | 1.6    | .5      |         |         | .5      | 1.1     |         |         |      | 4.9   | 17.1                  |
| SE                      |       | 1.1   | 2.2    | 1.1     | .5      |         |         |         |         |         |      | 4.9   | 9.6                   |
| SSE                     | .5    |       | 1.1    |         |         |         |         |         |         |         |      | 1.6   | 5.7                   |
| S                       | .5    | .5    | .5     | .5      |         |         |         |         |         |         |      | 2.2   | 7.0                   |
| SSW                     | 1.1   |       | 1.1    |         |         |         |         |         |         |         |      | 2.2   | 4.8                   |
| SW                      | 1.1   | .5    | 1.1    |         |         |         |         |         |         |         |      | 2.7   | 4.6                   |
| WSW                     | 1.1   |       | .5     | .5      |         |         |         |         |         |         |      | 2.2   | 6.8                   |
| W                       | .5    |       | .5     |         |         |         |         |         |         |         |      | 1.1   | 7.5                   |
| WNW                     | 1.6   | 1.1   | .5     |         |         |         |         |         |         |         |      | 3.3   | 4.3                   |
| NW                      | 1.1   | .5    | 1.1    | .5      |         |         |         |         |         |         |      | 3.3   | 6.5                   |
| NNW                     |       | .5    | .5     | .5      |         |         |         |         |         |         |      | 1.6   | 8.7                   |
| VARBL                   |       |       |        |         |         |         |         |         |         |         |      |       |                       |
| CALM                    |       |       |        |         |         |         |         |         |         |         |      |       |                       |
|                         | 9.9   | 12.1  | 36.8   | 24.7    | 7.1     | 3.8     | 3.8     | 1.6     |         |         |      | 100.0 | 11.1                  |

TOTAL NUMBER OF OBSERVATIONS 182

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

# SURFACE WINDS

## PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

0001 MAUI OPTICAL SITE HI NORTH TOWER 78-79 AUG  
STATION STATION NAME YEARS MONTH  
ALL WEATHER  
CLASS  
CONDITION  
2100-2300  
HOURS (L.S.T.)

| SPEED<br>(KNTS)<br>DIR | 1 - 3 | 4 - 6 | 7 - 10 | 11 - 16 | 17 - 21 | 22 - 27 | 28 - 33 | 34 - 40 | 41 - 47 | 48 - 55 | ≥ 56 | %     | MEAN<br>WIND<br>SPEED |
|------------------------|-------|-------|--------|---------|---------|---------|---------|---------|---------|---------|------|-------|-----------------------|
| N                      | .6    | 2.2   | 1.1    | .6      |         |         |         |         |         |         |      | 4.4   | 6.5                   |
| NNE                    |       | 1.7   | 1.7    | 1.7     | .6      |         |         |         |         |         |      | 5.5   | 9.6                   |
| NE                     |       | 1.7   | 6.6    | 5.5     | 1.1     | 1.7     | .6      |         |         |         |      | 17.1  | 12.6                  |
| ENE                    |       | 1.1   | 7.7    | 12.2    | 5.7     | 1.1     |         |         |         |         |      | 27.1  | 13.1                  |
| E                      | .6    | 1.1   | 2.2    | 6.6     | 3.3     | 2.8     | .6      |         |         |         |      | 17.1  | 15.5                  |
| ESE                    | .6    |       | .6     | 1.7     | .6      | 2.8     |         |         |         |         |      | 6.1   | 17.8                  |
| SE                     | 1.1   | 1.7   | 2.2    | 1.7     |         |         |         |         |         |         |      | 6.6   | 7.3                   |
| SSE                    |       | 2.8   | 2.2    |         |         |         |         |         |         |         |      | 5.6   | 7.0                   |
| S                      | 1.1   |       | .6     |         |         |         |         |         |         |         |      | 1.7   | 4.0                   |
| SSW                    | 1.1   |       | .6     |         |         |         |         |         |         |         |      | 1.7   | 4.0                   |
| SW                     |       | .6    |        |         |         |         |         |         |         |         |      | .6    | 6.0                   |
| WSW                    |       |       | .6     | 1.1     |         |         |         |         |         |         |      | 1.7   | 10.0                  |
| W                      | 1.7   |       | .6     |         |         |         |         |         |         |         |      | 2.2   | 3.8                   |
| WNW                    |       | .6    |        |         |         |         |         |         |         |         |      | .6    | 4.0                   |
| NW                     | .6    | .6    |        |         |         |         |         |         |         |         |      | 1.1   | 4.0                   |
| NNW                    |       |       | .6     | 1.1     |         |         |         |         |         |         |      | 1.7   | 10.7                  |
| VARBL                  |       |       |        |         |         |         |         |         |         |         |      |       |                       |
| CALM                   |       |       |        |         |         |         |         |         |         |         |      |       |                       |
|                        | 7.2   | 13.8  | 27.1   | 32.0    | 10.5    | 8.3     | 1.1     |         |         |         |      | 100.0 | 11.7                  |

TOTAL NUMBER OF OBSERVATIONS 181

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

## SURFACE WINDS

### PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

0001

MAUI OPTICAL SITE HI NORTH TOWER

78-79

AUG

STATION

STATION NAME

YEARS

MONTH

ALL WEATHER

CLASS

ALL

HOURS (LST)

CONDITION

| SPEED<br>(KNTS)<br>DIR. | 1 - 3 | 4 - 6 | 7 - 10 | 11 - 16 | 17 - 21 | 22 - 27 | 28 - 33 | 34 - 40 | 41 - 47 | 48 - 55 | ≥ 56 | %     | MEAN<br>WIND<br>SPEED |
|-------------------------|-------|-------|--------|---------|---------|---------|---------|---------|---------|---------|------|-------|-----------------------|
| N                       | .4    | 1.5   | 1.7    | .7      |         |         |         |         |         |         |      | 4.3   | 7.2                   |
| NNE                     | .6    | 2.2   | 3.7    | 1.1     | .1      |         |         |         |         |         |      | 7.0   | 7.5                   |
| NE                      | .5    | 2.6   | 6.0    | 5.3     | 2.1     | .9      | .3      |         |         |         |      | 17.5  | 11.5                  |
| ENE                     | .2    | 1.9   | 6.7    | 8.3     | 3.5     | 1.5     | .2      |         |         |         | .1   | 21.8  | 13.4                  |
| E                       | .5    | 1.7   | 3.1    | 3.8     | 2.2     | 1.8     | .6      | .3      |         |         |      | 13.3  | 14.8                  |
| ESE                     | .6    | 1.5   | 1.1    | 1.7     | .8      | .9      | .3      | .2      |         |         |      | 7.1   | 13.2                  |
| SE                      | .4    | 1.7   | 1.9    | 1.0     | .5      | .1      | .3      | .1      |         |         |      | 6.1   | 10.4                  |
| SSE                     | .7    | 1.3   | 1.0    | .1      | .1      | .1      |         |         |         |         |      | 3.4   | 6.7                   |
| S                       | .7    | .4    | .6     | .1      |         | .1      |         |         |         |         |      | 1.9   | 6.7                   |
| SSW                     | .6    | .6    | .4     | .1      |         |         |         |         |         |         |      | 1.7   | 5.1                   |
| SW                      | .7    | .8    | .3     | .2      | .1      |         |         |         |         |         |      | 2.2   | 6.0                   |
| WSW                     | 1.1   | .4    | .3     | .4      |         |         |         |         |         |         |      | 2.3   | 5.5                   |
| W                       | 1.5   | .6    | .3     | .6      |         |         |         |         |         |         |      | 3.1   | 5.6                   |
| WNW                     | .9    | 1.6   | .3     | .1      |         |         |         |         |         |         |      | 2.9   | 4.6                   |
| NW                      | .6    | 1.1   | 1.0    | .2      |         |         |         |         |         |         |      | 2.8   | 6.0                   |
| NNW                     | .6    | .7    | .9     | .4      |         |         |         |         |         |         |      | 2.5   | 6.7                   |
| VARBL                   |       |       |        |         |         |         |         |         |         |         |      |       |                       |
| CALM                    |       |       |        |         |         |         |         |         |         |         |      |       |                       |
|                         | 10.4  | 21.2  | 28.1   | 24.1    | 9.3     | 5.5     | 1.8     | .6      |         |         | .1   | 100.0 | 10.7                  |

TOTAL NUMBER OF OBSERVATIONS

1439



GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
ATMOSPHERIC WEATHER SERVICE/MAC

# SURFACE WINDS

## PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

STATION MAUI OPTICAL SITE HI NORTH TOWER YEARS 73-79 MONTH SEP  
STATION NAME CLASS ALL WEATHER HOURS (L.S.T.) 0000-0200  
CONDITION

| SPEED<br>(KNTS)<br>DIR. | 1 - 3 | 4 - 6 | 7 - 10 | 11 - 16 | 17 - 21 | 22 - 27 | 28 - 33 | 34 - 40 | 41 - 47 | 48 - 55 | ≥ 56 | %     | MEAN<br>WIND<br>SPEED |
|-------------------------|-------|-------|--------|---------|---------|---------|---------|---------|---------|---------|------|-------|-----------------------|
| N                       |       |       |        | .6      |         |         |         |         |         |         |      | .6    | 14.0                  |
| NNE                     |       | .6    | .6     | 2.3     |         | .6      |         |         |         |         |      | 4.3   | 11.9                  |
| NE                      | .5    | 1.7   | 5.7    | 11.4    | 2.3     | 1.7     |         |         |         |         |      | 23.3  | 12.6                  |
| ENE                     |       | 1.1   | 6.2    | 17.6    | 13.1    | 3.4     |         |         |         |         |      | 41.5  | 15.1                  |
| E                       | .6    |       | 2.3    | 4.5     | 4.5     | 3.4     |         |         |         |         |      | 15.3  | 16.4                  |
| ESE                     | .6    |       | 1.7    | 2.8     | 1.1     |         |         |         |         |         |      | 6.2   | 12.2                  |
| SE                      |       | .6    | .6     | 1.7     |         |         |         |         |         |         |      | 2.8   | 9.8                   |
| SSE                     |       |       |        |         |         |         |         |         |         |         |      |       |                       |
| S                       | .6    |       | 1.7    |         |         |         |         |         |         |         |      | 2.3   | 6.5                   |
| SSW                     |       | 1.1   |        |         |         |         |         |         |         |         |      | 1.1   | 6.0                   |
| SW                      | .6    |       |        |         |         |         |         |         |         |         |      | .6    | 2.0                   |
| WSW                     |       | .5    |        |         |         |         |         |         |         |         |      | .6    | 5.0                   |
| W                       |       |       |        |         |         |         |         |         |         |         |      |       |                       |
| WNW                     | .6    |       |        |         |         |         |         |         |         |         |      | .6    | 1.0                   |
| NW                      |       | .6    |        |         |         |         |         |         |         |         |      | .6    | 6.0                   |
| NNW                     | .6    |       |        |         |         |         |         |         |         |         |      | .6    | 3.6                   |
| VARBL                   |       |       |        |         |         |         |         |         |         |         |      |       |                       |
| CALM                    |       |       |        |         |         |         |         |         |         |         |      |       |                       |
|                         | 4.7   | 6.2   | 18.7   | 4.9     | 21.2    | 9.1     |         |         |         |         |      | 106.0 | 13.6                  |

TOTAL NUMBER OF OBSERVATIONS 176

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AFS WEATHER SERVICE/MAC

## SURFACE WINDS

### PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

0001 MAUI OPTICAL SITE HI NORTH TOWER 78-79 SEP  
STATION STATION NAME YEARS MONTH  
ALL WEATHER  
CLASS  
CONDITION  
0300-0500  
HOURS (L.S.T.)

| SPEED<br>(KNTS)<br>DIR. | 1 - 3 | 4 - 6 | 7 - 10 | 11 - 16 | 17 - 21 | 22 - 27 | 28 - 33 | 34 - 40 | 41 - 47 | 48 - 55 | ≥ 56 | %     | MEAN<br>WIND<br>SPEED |
|-------------------------|-------|-------|--------|---------|---------|---------|---------|---------|---------|---------|------|-------|-----------------------|
| N                       |       | .6    |        | 1.1     |         |         |         |         |         |         |      | 1.7   | 9.7                   |
| NNE                     |       | .6    | 1.1    | 1.7     | .6      |         |         |         |         |         |      | 3.9   | 11.9                  |
| NE                      |       | 1.7   | 7.8    | 5.0     | 7.3     | .6      |         |         |         |         |      | 22.3  | 13.5                  |
| ENE                     |       | 2.2   | 8.4    | 13.4    | 8.4     | 2.2     |         |         |         |         |      | 34.6  | 13.7                  |
| E                       |       | 1.1   | 3.9    | 5.6     | 7.8     | .6      |         |         |         |         |      | 19.0  | 14.3                  |
| ESE                     |       | 2.2   | 2.2    | 2.2     | 1.1     |         |         |         |         |         |      | 7.8   | 11.1                  |
| SE                      |       | 1.1   |        | 1.7     |         |         |         |         |         |         |      | 2.8   | 9.4                   |
| SSE                     |       |       |        |         |         |         |         |         |         |         |      |       |                       |
| S                       |       |       |        |         |         |         |         |         |         |         |      |       |                       |
| SSW                     | .6    | .6    |        |         |         |         |         |         |         |         |      | 1.1   | 3.5                   |
| SW                      |       | .6    | .6     |         |         |         |         |         |         |         |      | 1.1   | 6.5                   |
| WSW                     | .6    | .6    |        |         |         |         |         |         |         |         |      | 1.1   | 4.0                   |
| W                       |       | .6    |        |         |         |         |         |         |         |         |      | .6    | 4.0                   |
| WNW                     |       |       | .6     |         |         |         |         |         |         |         |      | .6    | 10.0                  |
| NW                      |       | 1.7   | .6     |         |         |         |         |         |         |         |      | 2.2   | 6.3                   |
| NNW                     |       | 1.1   |        |         |         |         |         |         |         |         |      | 1.1   | 5.0                   |
| VARBL                   |       |       |        |         |         |         |         |         |         |         |      |       |                       |
| CALM                    |       |       |        |         |         |         |         |         |         |         |      |       |                       |
|                         | 1.1   | 14.5  | 25.1   | 31.7    | 25.1    | 3.4     |         |         |         |         |      | 100.0 | 12.5                  |

TOTAL NUMBER OF OBSERVATIONS 179

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

# SURFACE WINDS

## PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

7001 MAUI OPTICAL SITE HI NORTH TOWER 78-79 SEP  
STATION NORTH  
CLASS  
HOURS (L.S.T.)

ALL WEATHER

CLASS

CONDITION

| SPEED<br>(KNTS)<br>DIR. | 1-3 | 4-6  | 7-10 | 11-16 | 17-21 | 22-27 | 28-33 | 34-40 | 41-47 | 48-55 | ≥56 | %     | MEAN<br>WIND<br>SPEED |
|-------------------------|-----|------|------|-------|-------|-------|-------|-------|-------|-------|-----|-------|-----------------------|
| N                       | .6  | .6   | .6   |       |       |       |       |       |       |       |     | 1.7   | 4.7                   |
| NNE                     |     | 1.7  | .6   | 1.7   | .6    |       |       |       |       |       |     | 4.5   | 1.1                   |
| NE                      |     | 2.8  | 7.9  | 11.3  | 5.6   | 1.1   | .6    |       |       |       |     | 29.4  | 12.7                  |
| ENE                     | .6  | .6   | 7.3  | 18.6  | 10.2  | 1.7   |       |       |       |       |     | 39.0  | 13.9                  |
| E                       | .6  | 1.7  | 1.1  | 2.3   | 4.5   | 4.1   |       |       |       |       |     | 14.1  | 16.1                  |
| ESE                     |     | 1.1  | 1.1  | .6    | .6    |       |       |       |       |       |     | 3.4   | 10.5                  |
| SE                      |     |      | .6   | .6    |       |       |       |       |       |       |     | 1.1   | 10.5                  |
| SSE                     |     | .6   |      |       |       |       |       |       |       |       |     | .6    | 6.0                   |
| S                       |     |      |      |       |       |       |       |       |       |       |     |       |                       |
| SSW                     |     |      |      |       |       |       |       |       |       |       |     |       |                       |
| SW                      | .6  |      |      |       |       |       |       |       |       |       |     | .6    | 3.0                   |
| WSW                     | .6  | .6   |      |       |       |       |       |       |       |       |     | 1.1   | 4.0                   |
| W                       | .6  |      |      |       |       |       |       |       |       |       |     | .6    | 1.7                   |
| WNW                     |     | .6   |      |       |       |       |       |       |       |       |     | .6    | 6.0                   |
| NW                      | .6  | .6   |      |       |       |       |       |       |       |       |     | 1.1   | 4.5                   |
| NNW                     | .6  | 1.1  | .6   |       |       |       |       |       |       |       |     | 2.3   | 5.5                   |
| VARBL                   |     |      |      |       |       |       |       |       |       |       |     |       |                       |
| CALM                    |     |      |      |       |       |       |       |       |       |       |     |       |                       |
|                         | 4.5 | 11.9 | 19.8 | 35.0  | 21.5  | 6.8   | .6    |       |       |       |     | 100.0 | 12.7                  |

TOTAL NUMBER OF OBSERVATIONS 177

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

# SURFACE WINDS

## PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

STATION 0001 STATION NAME MAUI OPTICAL SITE HI NORTH TOWER YEARS 78-79 MONTH SEP  
CLASS ALL WEATHER HOURS (L.S.T.) 0900-1100  
CONDITION

| SPEED<br>(KNTS)<br>DIR. | 1 - 3 | 4 - 6 | 7 - 10 | 11 - 16 | 17 - 21 | 22 - 27 | 28 - 33 | 34 - 40 | 41 - 47 | 48 - 55 | ≥ 56 | %     | MEAN<br>WIND<br>SPEED |
|-------------------------|-------|-------|--------|---------|---------|---------|---------|---------|---------|---------|------|-------|-----------------------|
| N                       |       | .6    | 1.1    |         |         |         |         |         |         |         |      | 1.7   | 7.7                   |
| NNE                     | .6    |       | 1.1    | 4.0     | .6      |         |         |         |         |         |      | 6.2   | 11.5                  |
| NE                      | .6    | 1.1   | 5.1    | 7.4     | 5.7     | .6      |         |         |         |         |      | 20.5  | 13.6                  |
| ENE                     |       | 1.7   | 7.4    | 14.2    | 5.8     | 3.4     | .6      |         |         |         |      | 34.1  | 14.2                  |
| E                       | .6    | .6    |        | 8.5     | 5.7     | 2.3     |         |         |         |         |      | 17.6  | 15.4                  |
| ESE                     | 1.1   |       | .6     | 1.7     | .6      |         |         |         |         |         |      | 4.0   | 10.1                  |
| SE                      | .6    | .6    |        | .6      |         |         |         |         |         |         |      | 1.7   | 6.3                   |
| SSE                     |       | 1.1   | .6     |         |         |         |         |         |         |         |      | 1.7   | 6.0                   |
| S                       |       | .6    | .6     |         |         |         |         |         |         |         |      | 1.1   | 5.5                   |
| SSW                     |       |       |        |         |         |         |         |         |         |         |      |       |                       |
| SW                      |       |       |        |         |         |         |         |         |         |         |      |       |                       |
| WSW                     |       |       |        |         |         |         |         |         |         |         |      |       |                       |
| W                       |       | .6    |        |         |         |         |         |         |         |         |      | .6    | 6.0                   |
| WNW                     | .6    | .6    |        |         |         |         |         |         |         |         |      | 1.1   | 4.5                   |
| NW                      | 1.1   | 4.0   | 1.1    |         |         |         |         |         |         |         |      | 6.2   | 5.0                   |
| NNW                     | 1.1   | 1.1   | 1.1    |         |         |         |         |         |         |         |      | 3.4   | 5.3                   |
| VARBL                   |       |       |        |         |         |         |         |         |         |         |      |       |                       |
| CALM                    |       |       |        |         |         |         |         |         |         |         |      |       |                       |
|                         | 6.2   | 12.5  | 18.7   | 36.4    | 19.3    | 6.2     | .6      |         |         |         |      | 100.0 | 12.4                  |

TOTAL NUMBER OF OBSERVATIONS 176

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

0101 MAUI OPTICAL SITE HI NORTH TOWER 78-79 SEP  
STATION NAME YEARS MONTH  
ALL WEATHER  
CLASS  
CONDITION  
1200-1400  
HOURS (L.S.T.)

| SPEED<br>(KNTS)<br>DIR. | 1-3 | 4-6  | 7-10 | 11-16 | 17-21 | 22-27 | 28-33 | 34-40 | 41-47 | 48-55 | ≥56 | %     | MEAN<br>WIND<br>SPEED |
|-------------------------|-----|------|------|-------|-------|-------|-------|-------|-------|-------|-----|-------|-----------------------|
| N                       |     |      | 3.4  |       |       |       |       |       |       |       |     | 4.0   | 7.7                   |
| NNE                     |     |      | 4.7  | 2.9   | 1.7   |       |       |       |       |       |     | 9.8   | 11.4                  |
| NE                      |     | 1.7  | 8.0  | 12.6  | 2.9   | 1.7   |       |       |       |       |     | 27.0  | 12.4                  |
| ENE                     | .5  |      | 5.2  | 11.9  | 6.9   | .6    |       |       |       |       |     | 24.1  | 13.5                  |
| E                       |     | 1.7  | 3.4  | 4.0   | .6    | 1.1   |       |       |       |       |     | 10.9  | 12.4                  |
| ESE                     |     | .6   | .6   | 4.6   | .6    | .6    |       |       |       |       |     | 6.9   | 13.7                  |
| SE                      |     | 1.1  | 1.1  | .6    | .6    |       |       |       |       |       |     | 3.4   | 9.8                   |
| SSE                     |     | .6   |      |       |       |       |       |       |       |       |     | .6    | 6.0                   |
| S                       |     |      |      |       |       |       |       |       |       |       |     |       |                       |
| SSW                     | .5  |      |      |       |       |       |       |       |       |       |     | .6    | 1.0                   |
| SW                      | .6  |      |      |       |       |       |       |       |       |       |     | .6    | 2.0                   |
| WSW                     | .6  |      |      |       |       |       |       |       |       |       |     | .6    | 3.0                   |
| W                       | .6  | .6   |      |       |       |       |       |       |       |       |     | 1.1   | 4.0                   |
| WNW                     | .6  | 1.7  | .6   |       |       |       |       |       |       |       |     | 2.9   | 4.6                   |
| NW                      | .6  | 2.9  | 2.9  |       |       |       |       |       |       |       |     | 6.3   | 5.8                   |
| NNW                     |     |      | .6   | .6    |       |       |       |       |       |       |     | 1.1   | 11.5                  |
| VARBL                   |     |      |      |       |       |       |       |       |       |       |     |       |                       |
| CALM                    |     |      |      |       |       |       |       |       |       |       |     |       |                       |
|                         | 4.0 | 12.6 | 29.9 | 36.2  | 13.2  | 4.0   |       |       |       |       |     | 120.0 | 11.4                  |

TOTAL NUMBER OF OBSERVATIONS 174

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

# SURFACE WINDS

## PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

1901 MAUI OPTICAL SITE HI NORTH TOWER 79-79 SEP  
STATION STATION NAME YEARS MONTH  
ALL WEATHER  
CLASS  
CONDITION  
1530-1700  
HOURS (L.S.T.)

| SPEED<br>(KNTS)<br>DIR. | 1 - 3 | 4 - 6 | 7 - 10 | 11 - 16 | 17 - 21 | 22 - 27 | 28 - 33 | 34 - 40 | 41 - 47 | 48 - 55 | 15-56 | %     | MEAN<br>WIND<br>SPEED |
|-------------------------|-------|-------|--------|---------|---------|---------|---------|---------|---------|---------|-------|-------|-----------------------|
| N                       | .6    | .6    | 1.2    | .6      |         |         |         |         |         |         |       | 2.9   | 7.1                   |
| NNE                     |       | 1.7   | 6.7    | 6.4     | 2.3     |         |         |         |         |         |       | 17.3  | 11.2                  |
| NE                      |       | .6    | 6.9    | 15.6    | 1.7     |         |         |         |         |         |       | 24.9  | 11.9                  |
| ENE                     |       | 1.2   | 6.9    | 12.1    | 6.9     | 1.2     |         |         |         |         |       | 28.3  | 13.4                  |
| E                       |       | .6    | 1.2    | 4.6     | 2.9     | 1.2     |         |         |         |         |       | 10.4  | 14.7                  |
| ESE                     |       | .6    |        | 2.9     | .6      |         |         |         |         |         |       | 4.0   | 13.1                  |
| SE                      |       | .6    | .6     | .6      |         |         |         |         |         |         |       | 1.7   | 8.7                   |
| SSE                     |       |       | 1.2    |         |         |         |         |         |         |         |       | 1.2   | 7.5                   |
| S                       | .6    |       |        |         |         |         |         |         |         |         |       | .6    | 3.1                   |
| SSW                     | .6    |       |        |         |         |         |         |         |         |         |       | .6    | 1.0                   |
| SW                      |       |       |        |         |         |         |         |         |         |         |       |       |                       |
| WSW                     | .6    | .6    |        |         |         |         |         |         |         |         |       | 1.2   | 4.7                   |
| W                       | 1.2   | .6    |        |         |         |         |         |         |         |         |       | 1.7   | 3.0                   |
| WNW                     |       |       | 1.2    |         |         |         |         |         |         |         |       | 1.2   | 7.5                   |
| NW                      |       | 1.7   |        |         |         |         |         |         |         |         |       | 1.7   | 4.7                   |
| NNW                     |       | .6    | 1.7    |         |         |         |         |         |         |         |       | 2.3   | 8.5                   |
| VARBL                   |       |       |        |         |         |         |         |         |         |         |       |       |                       |
| CALM                    |       |       |        |         |         |         |         |         |         |         |       |       |                       |
|                         | 3.5   | 9.2   | 27.7   | 42.8    | 14.5    | 2.3     |         |         |         |         |       | 100.0 | 11.7                  |

TOTAL NUMBER OF OBSERVATIONS 173

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

1001 STATION NAME NAUI OPTICAL SITE HI NORTH TOWER YEARS 78-79 SEP NORTH  
1800-2400 HOURS (L S T.)  
ALL WEATHER  
CLASS  
CONDITION

| SPEED (KNTS) DIR. | 1 - 3 | 4 - 6 | 7 - 10 | 11 - 16 | 17 - 21 | 22 - 27 | 28 - 33 | 34 - 40 | 41 - 47 | 48 - 55 | ≥ 56 | %     | MEAN WIND SPEED |
|-------------------|-------|-------|--------|---------|---------|---------|---------|---------|---------|---------|------|-------|-----------------|
| N                 |       |       | 1.7    | 1.7     |         |         |         |         |         |         |      | 3.4   | 11.3            |
| NNE               |       |       | 1.7    | 2.3     | 1.7     | .6      |         |         |         |         |      | 6.3   | 13.9            |
| NE                | .6    |       | 6.9    | 17.1    | 8.1     | 1.1     |         |         |         |         |      | 33.7  | 14.1            |
| ENE               |       |       | 2.9    | 14.9    | 6.9     | 1.7     |         |         |         |         |      | 26.3  | 15.1            |
| E                 |       | 1.1   | 2.9    | 3.4     | 5.1     | 2.9     |         |         |         |         |      | 15.4  | 15.7            |
| ESE               |       | 1.1   |        | 2.9     | .6      |         |         |         |         |         |      | 4.6   | 12.4            |
| SE                |       |       | .6     | .6      | .6      |         |         |         |         |         |      | 1.7   | 11.7            |
| SSE               |       |       | .6     |         |         |         |         |         |         |         |      | .6    | 7.0             |
| S                 |       | .6    | 1.1    |         |         |         |         |         |         |         |      | 1.7   | 6.3             |
| SSW               |       |       |        |         |         |         |         |         |         |         |      |       |                 |
| SW                | .6    |       |        |         |         |         |         |         |         |         |      | .6    | 3.0             |
| WSW               |       |       |        |         |         |         |         |         |         |         |      |       |                 |
| W                 |       |       |        |         |         |         |         |         |         |         |      |       |                 |
| WNW               | .6    | 1.1   |        |         |         |         |         |         |         |         |      | 1.7   | 5.1             |
| NW                | .6    |       | 1.1    |         |         |         |         |         |         |         |      | 1.7   | 5.3             |
| NNW               | .6    | .6    | 1.1    |         |         |         |         |         |         |         |      | 2.3   | 5.8             |
| VARBL             |       |       |        |         |         |         |         |         |         |         |      |       |                 |
| CALM              |       |       |        |         |         |         |         |         |         |         |      |       |                 |
|                   | 2.7   | 4.6   | 21.6   | 42.9    | 22.9    | 6.3     |         |         |         |         |      | 100.0 | 13.6            |

TOTAL NUMBER OF OBSERVATIONS 175

GENERAL CLIMATOLOGY BRANCH  
USAFETAC  
ATM WEATHER SERVICE/MAC

# SURFACE WINDS

## PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

STATION MAUI OPTICAL SITE HI NORTH TOWER YEARS 78-79 SEP MONTH  
STATION NAME CLASS ALL WEATHER HOURS (L.S.T.) 2100-2300  
CONDITION

| SPEED<br>(KNTS)<br>DIR. | 1 - 3 | 4 - 6 | 7 - 10 | 11 - 16 | 17 - 21 | 22 - 27 | 28 - 33 | 34 - 40 | 41 - 47 | 48 - 55 | ≥ 56 | %     | MEAN<br>WIND<br>SPEED |
|-------------------------|-------|-------|--------|---------|---------|---------|---------|---------|---------|---------|------|-------|-----------------------|
| N                       |       |       |        | .6      |         |         |         |         |         |         |      | .6    | 16.0                  |
| NNE                     | .6    | .6    | 2.3    | 2.3     | .6      |         |         |         |         |         |      | 6.3   | 1.9                   |
| NE                      | 1.7   |       | 3.4    | 14.9    | 6.9     | 1.7     |         |         |         |         |      | 28.7  | 14.0                  |
| ENE                     |       | 1.1   | 3.4    | 13.2    | 14.4    | 2.9     |         |         |         |         |      | 35.1  | 15.4                  |
| E                       | .6    | 4.7   | .6     | 4.0     | 4.6     | 3.4     |         |         |         |         |      | 17.2  | 15.7                  |
| ESE                     | .6    |       | 1.1    | 2.3     | 1.1     |         |         |         |         |         |      | 5.2   | 12.4                  |
| SE                      |       |       | .6     | .6      |         |         |         |         |         |         |      | 1.1   | 13.7                  |
| SSE                     | .6    |       |        |         |         |         |         |         |         |         |      | .6    | 3.0                   |
| S                       |       | 1.1   | .6     |         |         |         |         |         |         |         |      | 1.7   | 6.7                   |
| SSW                     |       |       |        |         |         |         |         |         |         |         |      |       |                       |
| SW                      |       |       |        |         |         |         |         |         |         |         |      |       |                       |
| WSW                     |       |       |        |         |         |         |         |         |         |         |      |       |                       |
| W                       |       |       |        |         |         |         |         |         |         |         |      |       |                       |
| WNW                     |       | .6    |        |         |         |         |         |         |         |         |      | .6    | 6.0                   |
| NW                      | .6    | .6    | 1.1    |         |         |         |         |         |         |         |      | 2.3   | 6.5                   |
| NNW                     |       |       | .6     |         |         |         |         |         |         |         |      | .6    | 8.0                   |
| VARBL                   |       |       |        |         |         |         |         |         |         |         |      |       |                       |
| CALM                    |       |       |        |         |         |         |         |         |         |         |      |       |                       |
|                         | 4.6   | 8.1   | 13.8   | 37.9    | 27.6    | 8.1     |         |         |         |         |      | 100.0 | 13.9                  |

TOTAL NUMBER OF OBSERVATIONS 174



GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

STATION

MAUI OPTICAL SITE HI NORTH TOWER

78-79

YEARS

SEP

MONTH

ALL WEATHEP

CLASS

ALL

HOURS (L.S.T.)

CONDITION

| SPEED<br>(KNTS)<br>DIR. | 1-3 | 4-6 | 7-10 | 11-16 | 17-21 | 22-27 | 28-33 | 34-40 | 41-47 | 48-55 | ≥56 | %     | MEAN<br>WIND<br>SPEED |
|-------------------------|-----|-----|------|-------|-------|-------|-------|-------|-------|-------|-----|-------|-----------------------|
| N                       | .1  | .4  | 1.1  | .6    |       |       |       |       |       |       |     | 2.1   | 8.7                   |
| NNE                     | .1  | .8  | 2.3  | 2.9   | 1.1   | .1    |       |       |       |       |     | 7.3   | 11.5                  |
| NE                      | .4  | 1.2 | 6.5  | 11.9  | 5.1   | 1.1   | .1    |       |       |       |     | 26.2  | 13.1                  |
| ENE                     | .1  | 1.1 | 6.7  | 14.4  | 9.2   | 2.1   | .1    |       |       |       |     | 22.9  | 14.3                  |
| E                       | .2  | 1.4 | 1.9  | 4.6   | 4.5   | 2.4   |       |       |       |       |     | 15.0  | 13.1                  |
| ESE                     | .3  | .7  | .9   | 2.5   | .8    | .1    |       |       |       |       |     | 5.3   | 12.0                  |
| SE                      | .1  | .5  | .5   | .9    | .1    |       |       |       |       |       |     | 2.1   | 9.7                   |
| SSE                     | .1  | .3  | .3   |       |       |       |       |       |       |       |     | .0    | 6.1                   |
| S                       | .1  | .3  | .5   |       |       |       |       |       |       |       |     | .9    | 6.1                   |
| SSW                     | .2  | .2  |      |       |       |       |       |       |       |       |     | .4    | 3.5                   |
| SW                      | .3  | .1  | .1   |       |       |       |       |       |       |       |     | .4    | 3.8                   |
| WSW                     | .3  | .3  |      |       |       |       |       |       |       |       |     | .6    | 4.0                   |
| W                       | .3  | .3  |      |       |       |       |       |       |       |       |     | .6    | 3.5                   |
| WNW                     | .3  | .6  | .3   |       |       |       |       |       |       |       |     | 1.1   | 5.3                   |
| NW                      | .4  | 1.5 | .9   |       |       |       |       |       |       |       |     | 2.8   | 5.5                   |
| NNW                     | .4  | .6  | .7   | .1    |       |       |       |       |       |       |     | 1.7   | 6.5                   |
| VARBL                   |     |     |      |       |       |       |       |       |       |       |     |       |                       |
| CALM                    |     |     |      |       |       |       |       |       |       |       |     |       |                       |
|                         | 5.8 | 1.1 | 21.8 | 37.8  | 20.7  | 5.8   | .1    |       |       |       |     | 100.0 | 12.6                  |

TOTAL NUMBER OF OBSERVATIONS

1474

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIP WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

0001 MAUI OPTICAL SITE HI NORTH TOWER 78-79 OCT  
STATION STATION NAME YEARS MONTH  
ALL WEATHER  
CLASS  
CONDITION  
1000-0200  
HOURS (LST)

| SPEED<br>(KNTS)<br>DIR. | 1 - 3 | 4 - 6 | 7 - 10 | 11 - 16 | 17 - 21 | 22 - 27 | 28 - 33 | 34 - 40 | 41 - 47 | 48 - 55 | ≥ 56 | %     | MEAN<br>WIND<br>SPEED |
|-------------------------|-------|-------|--------|---------|---------|---------|---------|---------|---------|---------|------|-------|-----------------------|
| N                       |       | .6    |        | .6      |         |         |         |         |         |         |      | 1.1   | 2.1                   |
| NNE                     |       | 2.2   | 2.2    | .6      |         |         |         |         |         |         |      | 5.0   | 7.4                   |
| NE                      |       | .6    | 5.6    | 4.4     |         |         |         |         |         |         |      | 10.6  | 10.3                  |
| ENE                     | .6    | 3.3   | 3.9    | 7.2     | 2.8     | 1.1     | .6      |         |         |         |      | 19.4  | 12.7                  |
| E                       |       | 1.1   | 2.8    | 3.3     | 5.0     | 3.3     | 1.7     |         |         |         |      | 17.2  | 17.4                  |
| ESE                     |       | .6    | 1.1    | 2.2     |         |         | .6      | .6      | .6      |         |      | 5.6   | 19.5                  |
| SE                      |       | 2.2   | 2.8    | 1.1     |         |         |         |         |         |         |      | 6.1   | 8.5                   |
| SSE                     | .6    | 1.7   | 1.7    | 1.7     |         |         |         |         |         |         |      | 5.6   | 7.6                   |
| S                       | .6    | 2.8   | 1.1    | .6      |         |         |         |         |         |         |      | 5.0   | 6.6                   |
| SSW                     | .6    | 1.7   | 1.1    | .6      |         |         |         |         |         |         |      | 3.9   | 7.0                   |
| SW                      |       | 2.2   | 3.3    | 1.7     |         |         |         |         |         |         |      | 7.2   | 7.6                   |
| WSW                     | .6    |       | .6     |         |         |         |         |         |         |         |      | 1.1   | 5.5                   |
| W                       |       | .6    |        |         |         |         |         |         |         |         |      | .6    | 6.0                   |
| WNW                     | 1.1   | 1.1   | .6     | .6      |         |         |         |         |         |         |      | 3.3   | 6.2                   |
| NW                      | .6    | 1.1   | 2.8    | .6      |         |         |         |         |         |         |      | 5.0   | 7.4                   |
| NNW                     |       | .6    |        | 2.2     | .6      |         |         |         |         |         |      | 3.3   | 11.8                  |
| VARBL                   |       |       |        |         |         |         |         |         |         |         |      |       |                       |
| CALM                    |       |       |        |         |         |         |         |         |         |         |      |       |                       |
|                         | 4.4   | 22.2  | 29.4   | 27.2    | 8.3     | 4.4     | 2.8     | .6      | .6      |         |      | 100.0 | 11.3                  |

TOTAL NUMBER OF OBSERVATIONS 180

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

# SURFACE WINDS

## PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

STATION 0.01 MAUI OPTICAL SITE HI NORTH TOWER STATION NAME 78-79 YEARS OCT  
NORTH  
CLASS ALL WEATHER  
HOURS (L.S.T.) 0300-2500  
CONDITION

| SPEED<br>(KNTS)<br>DIR. | 1 - 3 | 4 - 6 | 7 - 10 | 11 - 16 | 17 - 21 | 22 - 27 | 28 - 33 | 34 - 40 | 41 - 47 | 48 - 55 | ≥ 56 | %     | MEAN<br>WIND<br>SPEED |
|-------------------------|-------|-------|--------|---------|---------|---------|---------|---------|---------|---------|------|-------|-----------------------|
| N                       | 1.1   | .6    | 1.7    | 2.2     |         |         |         |         |         |         |      | 5.6   | 8.5                   |
| NNE                     | .6    |       | 3.4    | 1.1     |         |         |         |         |         |         |      | 5.0   | 7.8                   |
| NE                      |       | 1.1   | 6.1    | 8.9     |         |         |         |         |         |         |      | 16.2  | 10.2                  |
| ENE                     |       | 1.7   | 3.4    | 3.9     | 3.4     | 1.1     | .6      |         |         |         |      | 14.0  | 13.7                  |
| E                       |       |       | 2.2    | 4.5     | 2.2     | 2.8     | 2.2     |         |         |         |      | 14.0  | 18.2                  |
| ESE                     |       | 1.7   | 1.1    | 1.7     | .6      |         | .6      | .6      |         |         |      | 6.1   | 15.1                  |
| SE                      |       | 1.7   | 1.1    | 1.7     | .6      |         |         |         |         |         |      | 5.0   | 10.1                  |
| SSE                     | .6    | 1.1   | 2.8    | .1      |         |         |         |         |         |         |      | 5.6   | 7.8                   |
| S                       | .6    |       | 2.2    | 1.1     |         |         |         |         |         |         |      | 3.9   | 8.9                   |
| SSW                     | .6    |       | 3.4    | .6      |         |         |         |         |         |         |      | 4.5   | 8.4                   |
| SW                      |       | 2.2   | 1.1    | 2.2     |         |         |         |         |         |         |      | 5.6   | 9.4                   |
| WSW                     |       | .6    | 1.7    | .6      |         |         |         |         |         |         |      | 2.8   | 8.6                   |
| W                       | .6    | 1.1   |        |         |         |         |         |         |         |         |      | 1.7   | 3.7                   |
| WNW                     | 1.1   |       |        |         |         |         |         |         |         |         |      | 1.1   | 3.0                   |
| NW                      | .6    |       | 2.2    | 2.8     |         |         |         |         |         |         |      | 5.6   | 9.1                   |
| NNW                     |       |       | 1.7    | 1.7     |         |         |         |         |         |         |      | 1.4   | 11.7                  |
| VARBL                   |       |       |        |         |         |         |         |         |         |         |      |       |                       |
| CALM                    |       |       |        |         |         |         |         |         |         |         |      |       |                       |
|                         | 5.6   | 11.7  | 34.1   | 34.1    | 6.7     | 3.9     | 3.4     | .6      |         |         |      | 100.0 | 11.3                  |

TOTAL NUMBER OF OBSERVATIONS 179

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

# SURFACE WINDS

## PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

1001 MAUI OPTICAL SITE HI NORTH TOWER 78-79 OCT  
STATION NAME YEARS MONTH  
ALL WEATHER  
CLASS  
CONDITION  
1600-0800  
HOURS (LST)

| SPEED<br>(KNTS)<br>DIR. | 1 - 3 | 4 - 6 | 7 - 10 | 11 - 16 | 17 - 21 | 22 - 27 | 28 - 33 | 34 - 40 | 41 - 47 | 48 - 55 | ≥ 56 | %     | MEAN<br>WIND<br>SPEED |
|-------------------------|-------|-------|--------|---------|---------|---------|---------|---------|---------|---------|------|-------|-----------------------|
| N                       | .6    | .6    | 1.7    | 1.7     | .6      |         |         |         |         |         |      | 5.1   | 11.2                  |
| NNE                     |       | .6    | 1.1    | .6      | .6      |         |         |         |         |         |      | 2.3   | 10.5                  |
| NE                      | .6    | .6    | 2.3    | 2.3     | 1.1     |         |         |         |         |         |      | 15.5  | 16.6                  |
| ENE                     |       | 1.7   | 3.4    | 4.0     | 2.3     | .6      |         | .6      |         |         |      | 12.5  | 12.9                  |
| E                       | .6    |       | 2.8    | 3.4     | 3.4     | 1.7     | 1.1     |         |         |         |      | 13.1  | 15.5                  |
| ESE                     |       | .6    | 1.7    | 2.3     | 1.1     | 1.7     | 1.1     | .6      |         |         |      | 9.1   | 17.5                  |
| SE                      |       | 1.1   | 1.7    | 1.1     |         |         |         |         |         |         |      | 4.0   | 8.3                   |
| SSE                     | .6    |       | 3.4    | 2.8     |         |         |         |         |         |         |      | 6.8   | 9.9                   |
| S                       |       | .6    | 1.7    | 2.3     |         |         |         |         |         |         |      | 4.5   | 9.6                   |
| SSW                     | .6    | 2.3   | 1.1    |         |         |         |         |         |         |         |      | 4.0   | 5.6                   |
| SW                      |       | 1.1   | 2.8    | 1.7     |         |         |         |         |         |         |      | 5.7   | 9.1                   |
| WSW                     | 1.1   | 1.1   | 1.7    |         |         |         |         |         |         |         |      | 4.0   | 5.7                   |
| W                       | 1.1   | 1.1   |        |         |         |         |         |         |         |         |      | 2.3   | 3.8                   |
| WNW                     | .6    |       |        |         |         |         |         |         |         |         |      | .6    | 3.1                   |
| NW                      |       |       | 2.3    | 1.1     |         |         |         |         |         |         |      | 3.4   | 10.5                  |
| NNW                     |       | .6    | 1.7    | 3.4     |         |         |         |         |         |         |      | 5.7   | 11.8                  |
| VARBL                   |       |       |        |         |         |         |         |         |         |         |      |       |                       |
| CALM                    |       |       |        |         |         |         |         |         |         |         |      |       |                       |
|                         | 5.7   | 11.9  | 35.2   | 3.7     | 9.1     | 4.0     | 2.3     | 1.1     |         |         |      | 100.0 | 11.3                  |

TOTAL NUMBER OF OBSERVATIONS 176

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
ATL. WEATHER SERVICE/MAC

## SURFACE WINDS

### PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

STATION 1001 STATION NAME MAUI OPTICAL SITE HI NORTH TOWER YEARS 78-79 MONTH OCT  
CLASS ALL WEATHER HOURS (L.S.T.) 0900-1100  
CONDITION

| SPEED<br>(KNTS)<br>DIR. | 1 - 3 | 4 - 6 | 7 - 10 | 11 - 16 | 17 - 21 | 22 - 27 | 28 - 33 | 34 - 40 | 41 - 47 | 48 - 55 | ≥ 56 | %     | MEAN<br>WIND<br>SPEED |
|-------------------------|-------|-------|--------|---------|---------|---------|---------|---------|---------|---------|------|-------|-----------------------|
| N                       |       | 1.1   | 1.1    | 3.3     |         |         |         |         |         |         |      | 5.6   | 1.5                   |
| NNE                     |       | 3.3   | 3.3    | .6      |         |         |         |         |         |         |      | 7.2   | 7.6                   |
| NE                      |       | 3.3   | 6.7    | 6.1     | 1.1     |         |         |         |         |         |      | 17.2  | 10.2                  |
| ENE                     | .6    |       | 1.7    | 1.7     | .6      | 1.1     |         |         |         |         |      | 5.6   | 13.1                  |
| E                       |       | 1.7   | 1.7    | 2.8     | 1.7     | 2.2     | 2.2     | 1.7     |         |         |      | 13.9  | 19.4                  |
| ESE                     |       | .6    | 2.8    | 2.2     | 1.7     |         | .6      |         |         |         |      | 7.8   | 13.5                  |
| SE                      |       | 2.8   | 2.2    | 1.1     | .6      |         |         |         |         |         |      | 6.7   | 8.3                   |
| SSE                     |       | .6    | 2.2    | 1.7     | 1.1     |         |         |         |         |         |      | 5.6   | 11.6                  |
| S                       | 1.7   | 1.7   | 1.7    | 1.1     |         |         |         |         |         |         |      | 6.1   | 7.2                   |
| SSW                     | 1.1   | 1.1   | 2.8    |         | .6      |         |         |         |         |         |      | 5.6   | 7.3                   |
| SW                      | .6    | .6    | 1.7    | 1.1     |         |         |         |         |         |         |      | 3.9   | 8.1                   |
| WSW                     |       | 1.7   | 1.1    |         |         |         |         |         |         |         |      | 2.8   | 5.8                   |
| W                       | 1.1   | 1.1   | .6     | .6      |         |         |         |         |         |         |      | 3.3   | 5.5                   |
| WNW                     | .6    | .6    | 1.1    |         |         |         |         |         |         |         |      | 2.2   | 6.3                   |
| NW                      |       | 1.1   | 2.2    | .6      |         |         |         |         |         |         |      | 3.9   | 7.4                   |
| NNW                     |       | 1.1   | .6     | .6      | .6      |         |         |         |         |         |      | 2.8   | 9.6                   |
| VARBL                   |       |       |        |         |         |         |         |         |         |         |      |       |                       |
| CALM                    |       |       |        |         |         |         |         |         |         |         |      |       |                       |
|                         | 5.6   | 12.2  | 33.3   | 23.3    | 7.8     | 3.3     | 2.8     | 1.7     |         |         |      | 100.0 | 10.8                  |

TOTAL NUMBER OF OBSERVATIONS 180

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

STATION 001 HAUI OPTICAL SITE HI NORTH TOWER 78-79 OCT  
STATION NAME YEARS NORTH  
CLASS ALL WEATHER  
CONDITION

| SPEED<br>(KNTS)<br>DIR. | 1 - 3 | 4 - 6 | 7 - 10 | 11 - 16 | 17 - 21 | 22 - 27 | 28 - 33 | 34 - 40 | 41 - 47 | 48 - 55 | ≥ 56 | %     | MEAN<br>WIND<br>SPEED |
|-------------------------|-------|-------|--------|---------|---------|---------|---------|---------|---------|---------|------|-------|-----------------------|
| N                       |       | 1.1   | 1.7    |         | .6      |         |         |         |         |         |      | 3.4   | 5.2                   |
| NNE                     | .6    | 1.7   | 2.8    | .6      |         |         |         |         |         |         |      | 5.8   | 7.4                   |
| NE                      |       | 1.7   | 5.6    | 2.2     |         |         |         |         |         |         |      | 9.5   | 8.6                   |
| ENE                     |       | 2.8   | 2.8    | 5.0     | 3.9     | 1.1     |         |         |         |         |      | 15.6  | 13.3                  |
| E                       | 1.1   | 2.8   | 1.7    | .6      | 1.7     | 1.7     |         | 1.7     |         |         |      | 11.2  | 15.9                  |
| ESE                     | .6    | 1.7   | 2.2    | 1.7     | 1.1     |         |         |         |         |         |      | 7.3   | 9.9                   |
| SE                      | .6    |       | 1.1    | .6      |         |         |         |         |         |         |      | 2.2   | 9.3                   |
| SSE                     | 1.7   | 2.2   | 1.7    | .6      | .6      |         |         |         |         |         |      | 6.7   | 6.8                   |
| S                       | .6    | 3.4   | 1.1    | .6      |         |         |         |         |         |         |      | 5.6   | 6.4                   |
| SSW                     |       | 2.2   | .6     | 1.1     |         |         |         |         |         |         |      | 3.9   | 8.3                   |
| SW                      |       | 1.7   | 2.2    | 1.7     |         |         |         |         |         |         |      | 5.6   | 9.4                   |
| WSW                     |       | 3.9   | 1.1    | .6      |         |         |         |         |         |         |      | 5.6   | 6.1                   |
| W                       | 1.1   | 2.2   |        |         |         |         |         |         |         |         |      | 3.4   | 3.8                   |
| WNW                     | 1.1   | 1.1   | 2.2    |         |         |         |         |         |         |         |      | 4.5   | 5.6                   |
| NW                      | .6    | 2.8   |        | 1.7     |         |         |         |         |         |         |      | 5.2   | 7.4                   |
| NNW                     | .6    | 1.1   | 1.7    | 1.1     | .6      |         |         |         |         |         |      | 5.1   | 9.3                   |
| VARBL                   |       |       |        |         |         |         |         |         |         |         |      |       |                       |
| CALM                    |       |       |        |         |         |         |         |         |         |         |      |       |                       |
|                         | 6.4   | 32.4  | 28.5   | 17.9    | 8.4     | 2.8     |         | 1.7     |         |         |      | 100.0 | 9.5                   |

TOTAL NUMBER OF OBSERVATIONS 179

GENERAL CLIMATOLOGY BRANCH  
USAFETAC.  
AIR WEATHER SERVICE/MAC

# SURFACE WINDS

## PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

0001 MAUI OPTICAL SITE HI NORTH TOWER 78-79 OCT  
STATION NAME YEARS MONTH  
ALL WEATHER 1530-1700  
CLASS HOURS (L.S.T.)  
CONDITION

| SPEED (KNTS) DIR. | 1 - 3 | 4 - 6 | 7 - 10 | 11 - 16 | 17 - 21 | 22 - 27 | 28 - 33 | 34 - 40 | 41 - 47 | 48 - 55 | ≥ 56 | %     | MEAN WIND SPEED |
|-------------------|-------|-------|--------|---------|---------|---------|---------|---------|---------|---------|------|-------|-----------------|
| N                 |       | 1.1   | .6     | 1.1     |         |         |         |         |         |         |      | 2.8   | 9.6             |
| NNE               |       |       | 2.3    | 3.4     | .6      |         |         |         |         |         |      | 6.2   | 11.2            |
| NE                |       | 2.3   | 4.0    | 4.0     |         |         |         |         |         |         |      | 10.2  | 9.5             |
| ENE               |       | 4.0   | 4.0    | 2.3     | 2.3     |         |         |         |         |         |      | 12.5  | 10.1            |
| E                 |       | .6    | 4.0    | 2.8     | 2.3     | 2.3     | 1.1     | 1.1     |         |         |      | 14.2  | 17.5            |
| ESE               | .6    | 1.7   | .6     | .6      | .6      |         |         |         |         |         |      | 4.0   | 6.1             |
| SE                | 1.7   | 1.7   | 1.1    | .6      |         |         |         |         |         |         |      | 5.1   | 6.1             |
| SSE               |       | 1.1   | 1.1    | 1.7     |         |         |         |         |         |         |      | 4.0   | 9.3             |
| S                 | .6    | 2.8   |        | 1.1     |         |         |         |         |         |         |      | 4.5   | 6.9             |
| SSW               | 1.1   | 2.8   | 1.7    | .6      |         |         |         |         |         |         |      | 6.2   | 5.7             |
| SW                | .6    | 2.8   | 1.1    | 1.1     |         |         |         |         |         |         |      | 5.7   | 7.3             |
| WSW               | 1.7   | 1.1   | 1.1    |         |         |         |         |         |         |         |      | 4.0   | 4.9             |
| W                 | 1.7   | 1.7   | 1.7    |         |         |         |         |         |         |         |      | 5.1   | 5.7             |
| WNW               | 1.1   | 4.5   | 1.1    |         |         |         |         |         |         |         |      | 6.8   | 5.1             |
| NW                | .6    | .6    | .6     | .6      |         |         |         |         |         |         |      | 2.3   | 7.3             |
| NNW               | 1.1   | .6    | 3.4    | 1.1     |         |         |         |         |         |         |      | 6.2   | 7.7             |
| VARBL             |       |       |        |         |         |         |         |         |         |         |      |       |                 |
| CALM              |       |       |        |         |         |         |         |         |         |         |      |       |                 |
|                   | 11.8  | 29.5  | 28.4   | 21.0    | 5.7     | 2.3     | 1.1     | 1.1     |         |         |      | 100.0 | 9.3             |

TOTAL NUMBER OF OBSERVATIONS 176

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AFR WEATHER SERVICE/MAC

## SURFACE WINDS

### PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

0001      NAUI OPTICAL SITE HI NORTH TOWER      78-79      OCT  
 STATION      STATION NAME      YEARS      MONTH  
 ALL WEATHER      1800-2100  
 CLASS      HOURS (L.S.T.)  
 CONDITION

| SPEED<br>(KNTS)<br>DIR. | 1 - 3 | 4 - 6 | 7 - 10 | 11 - 16 | 17 - 21 | 22 - 27 | 28 - 33 | 34 - 40 | 41 - 47 | 48 - 55 | ≥ 56 | %     | MEAN<br>WIND<br>SPEED |
|-------------------------|-------|-------|--------|---------|---------|---------|---------|---------|---------|---------|------|-------|-----------------------|
| N                       |       | 2.7   | 3.9    | 4.5     |         |         |         |         |         |         |      | 11.6  | 17.7                  |
| NNE                     |       |       | .6     | 2.8     | 2.2     |         |         |         |         |         |      | 5.6   | 14.2                  |
| NE                      |       |       | 4.5    | 2.8     | 2.2     |         |         |         |         |         |      | 9.5   | 12.6                  |
| ENE                     |       |       | 4.5    | 7.3     | 2.8     | 1.1     |         | .6      |         |         |      | 16.2  | 14.8                  |
| E                       | 1.1   | 1.1   | .6     | 3.4     | 3.9     | 2.2     | .6      | 1.1     |         |         |      | 14.0  | 17.4                  |
| ESE                     |       | .6    | 1.1    | 1.1     | .6      | .6      | .6      |         |         |         |      | 4.5   | 14.9                  |
| SE                      | .6    | .1    | .6     |         | 1.1     | .6      |         |         |         |         |      | 3.9   | 11.4                  |
| SSE                     |       |       | 1.1    | .6      |         |         |         |         |         |         |      | 1.7   | 10.3                  |
| S                       | 1.1   | 1.7   | 3.4    |         |         |         |         |         |         |         |      | 6.1   | 6.4                   |
| SSW                     | 1.7   | 3.4   | 4.5    |         |         |         |         |         |         |         |      | 9.5   | 6.2                   |
| SW                      | 1.7   | 1.7   | 2.2    | 1.1     |         |         |         |         |         |         |      | 6.7   | 6.6                   |
| WSW                     | .6    | .6    |        |         |         |         |         |         |         |         |      | 1.1   | 3.5                   |
| W                       | 2.2   | .6    |        |         |         |         |         |         |         |         |      | 2.8   | 2.8                   |
| WNW                     | .6    |       | 2.2    | .6      |         |         |         |         |         |         |      | 3.4   | 8.2                   |
| NW                      | .6    | .6    | .6     |         |         |         |         |         |         |         |      | 1.7   | 6.7                   |
| NNW                     | .6    | 1.1   |        | 1.1     |         |         |         |         |         |         |      | 2.3   | 7.6                   |
| VARBL                   |       |       |        |         |         |         |         |         |         |         |      |       |                       |
| CALM                    |       |       |        |         |         |         |         |         |         |         |      |       |                       |
|                         | 11.6  | 14.5  | 29.6   | 25.1    | 12.8    | 4.5     | 1.1     | 1.7     |         |         |      | 100.2 | 11.3                  |

TOTAL NUMBER OF OBSERVATIONS      179



GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

STATION 1001 MAUI OPTICAL SITE HI NORTH TOWER STATION NAME 78-79 YEARS OCT  
MONTH 2100-2300  
HOURS (L.S.T.)  
CLASS ALL WEATHER  
CONDITION

| SPEED (KNTS) DIR. | 1 - 3 | 4 - 6 | 7 - 10 | 11 - 16 | 17 - 21 | 22 - 27 | 28 - 33 | 34 - 40 | 41 - 47 | 48 - 55 | ≥ 56 | %     | MEAN WIND SPEED |
|-------------------|-------|-------|--------|---------|---------|---------|---------|---------|---------|---------|------|-------|-----------------|
| N                 | .6    | 1.1   | 2.8    | 1.7     |         |         |         |         |         |         |      | 6.1   | 8.8             |
| NNE               | 1.1   | 1.1   | 1.7    | 1.1     | 1.1     |         |         |         |         |         |      | 6.1   | 9.3             |
| NE                |       |       | 3.4    | 3.9     | 1.7     |         |         |         |         |         |      | 8.9   | 12.4            |
| ENE               | .6    | 2.8   | 6.7    | 5.6     | 3.9     | 1.1     |         |         |         |         |      | 21.7  | 11.9            |
| E                 |       |       | .6     | 3.4     | 3.9     | 4.5     | .6      | .6      | .6      |         |      | 14.0  | 21.1            |
| ESE               |       | .6    | 1.1    | 2.2     | 1.7     |         |         | .6      |         |         |      | 6.1   | 15.1            |
| SE                | .6    | 1.7   | 1.1    | 1.1     | .6      | 1.1     |         |         |         |         |      | 5.1   | 11.0            |
| SSE               | .6    | 2.2   | 1.1    | 1.7     |         |         |         |         |         |         |      | 5.6   | 7.6             |
| S                 | 1.1   | 2.2   | .6     | 1.1     |         |         |         |         |         |         |      | 5.0   | 6.4             |
| SSW               | .6    | 1.1   | 1.7    |         |         |         |         |         |         |         |      | 3.4   | 6.2             |
| SW                | 1.1   | 1.1   | 1.1    | 3.4     |         |         |         |         |         |         |      | 6.7   | 9.1             |
| WSW               | 1.1   | .6    |        |         |         |         |         |         |         |         |      | 1.7   | 2.7             |
| W                 |       | .6    |        |         |         |         |         |         |         |         |      | .6    | 5.1             |
| WNW               | 1.1   | .6    |        | 1.7     |         |         |         |         |         |         |      | 3.4   | 7.2             |
| NW                |       | 1.1   |        |         |         |         |         |         |         |         |      | 1.1   | 5.0             |
| NNW               |       | .6    | 2.2    | 1.7     |         |         |         |         |         |         |      | 4.5   | 8.6             |
| VARBL             |       |       |        |         |         |         |         |         |         |         |      |       |                 |
| CALM              |       |       |        |         |         |         |         |         |         |         |      |       |                 |
|                   | 8.4   | 17.3  | 24.1   | 28.5    | 12.8    | 6.7     | .6      | 1.1     | .6      |         |      | 100.0 | 11.5            |

TOTAL NUMBER OF OBSERVATIONS 179

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

0001 MAUI OPTICAL SITE HI NORTH TOWER 75-79  
STATION STATION NAME YEARS  
OCT  
MONTH  
ALL  
HOURS (L.S.T.)  
ALL WEATHER  
CLASS  
CONDITION

| SPEED<br>(KNTS)<br>DIR. | 1 - 3 | 4 - 6 | 7 - 10 | 11 - 16 | 17 - 21 | 22 - 27 | 28 - 33 | 34 - 40 | 41 - 47 | 48 - 53 | ≥ 56 | %     | MEAN<br>WIND<br>SPEED |
|-------------------------|-------|-------|--------|---------|---------|---------|---------|---------|---------|---------|------|-------|-----------------------|
| N                       | .3    | 1.1   | 1.7    | 1.9     | .1      |         |         |         |         |         |      | 5.0   | 9.7                   |
| NNE                     | .3    | 1.1   | 2.2    | 1.3     | .6      |         |         |         |         |         |      | 5.5   | 9.5                   |
| NE                      | .1    | 1.2   | 5.5    | 4.8     | .2      |         |         |         |         |         |      | 12.3  | 10.1                  |
| ENE                     | .2    | 2.7   | 3.8    | 4.6     | 2.7     | .9      | .1      | .1      |         |         |      | 14.0  | 12.6                  |
| E                       | .4    | .9    | 2.7    | 3.7     | 3.0     | 2.6     | 1.2     | .8      | .1      |         |      | 13.9  | 17.8                  |
| ESE                     | .1    | 1.0   | 1.5    | 1.8     | .9      | .3      | .4      | .3      | .1      |         |      | 6.3   | 14.5                  |
| SE                      | .4    | 1.5   | 1.5    | .9      | .4      | .2      |         |         |         |         |      | 4.9   | 9.1                   |
| SSE                     | .5    | 1.1   | 1.9    | 1.5     | .2      |         |         |         |         |         |      | 5.2   | 8.7                   |
| S                       | .8    | 1.9   | 1.5    | 1.0     |         |         |         |         |         |         |      | 5.1   | 7.2                   |
| SSW                     | .3    | 1.8   | 2.1    | .4      | .1      |         |         |         |         |         |      | 5.1   | 6.7                   |
| SW                      | .5    | 1.7   | 2.0    | 1.8     |         |         |         |         |         |         |      | 5.9   | 8.3                   |
| WSW                     | .6    | 1.2   | .9     | .1      |         |         |         |         |         |         |      | 2.9   | 5.7                   |
| W                       | 1.0   | 1.1   | .3     | .1      |         |         |         |         |         |         |      | 2.5   | 4.5                   |
| WNW                     | .0    | 1.0   | .9     | .4      |         |         |         |         |         |         |      | 3.2   | 6.0                   |
| NW                      | .4    | .9    | 1.3    | .9      |         |         |         |         |         |         |      | 3.5   | 7.9                   |
| NNW                     | .3    | .7    | 1.4    | 1.6     | .2      |         |         |         |         |         |      | 4.2   | 9.5                   |
| VARBL                   |       |       |        |         |         |         |         |         |         |         |      |       |                       |
| CALM                    |       |       |        |         |         |         |         |         |         |         |      |       |                       |
|                         | 7.4   | 21.2  | 33.3   | 26.0    | 9.7     | 4.7     | 1.8     | 1.2     | .1      |         |      | 100.0 | 10.8                  |

TOTAL NUMBER OF OBSERVATIONS 1428

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

# SURFACE WINDS

## PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

0001 STATION MAUI OPTICAL SITE HI NORTH TOWER 77-79 YEARS NOV MONTH  
0000-0200 HOURS (L.S.T.)  
ALL WEATHER CLASS  
CONDITION

| SPEED (KNTS) DIR. | 1 - 3 | 4 - 6 | 7 - 10 | 11 - 16 | 17 - 21 | 22 - 27 | 28 - 33 | 34 - 40 | 41 - 47 | 48 - 55 | ≥ 56 | %    | MEAN WIND SPEED |
|-------------------|-------|-------|--------|---------|---------|---------|---------|---------|---------|---------|------|------|-----------------|
| N                 | 1.1   | 2.9   | .6     |         |         |         |         |         |         |         |      | 4.6  | 4.9             |
| NNE               | 2.3   | 1.7   | 2.3    | .6      |         |         |         |         |         |         |      | 6.9  | 6.3             |
| NE                | .6    | 1.1   | 1.7    | 4.0     | 2.3     |         |         |         |         |         |      | 9.7  | 12.4            |
| ENE               |       | 1.7   |        | 5.7     | 2.9     |         | .6      |         |         |         |      | 10.9 | 14.3            |
| E                 |       | .6    | 4.0    | 2.9     | 2.9     | 2.9     |         |         |         |         |      | 13.1 | 15.5            |
| ESE               |       | 1.1   | .6     | 4.6     | 1.7     | 1.1     |         |         |         |         |      | 9.1  | 14.6            |
| SE                |       |       |        | 1.1     |         |         |         |         |         |         |      | 1.1  | 13.5            |
| SSE               | 1.1   |       | 1.7    | 2.9     | 1.1     | .6      |         |         |         |         |      | 7.4  | 12.0            |
| S                 | 1.1   | .6    | 1.7    | 1.1     | .6      | 1.1     |         |         |         |         |      | 6.3  | 11.2            |
| SSW               |       | 1.7   | 1.7    | 1.7     |         |         |         |         |         |         |      | 5.1  | 8.7             |
| SW                |       | 1.1   | 1.1    | 3.4     | .6      |         |         |         |         |         |      | 6.3  | 11.3            |
| WSW               |       | .6    |        |         | .6      | .6      | .6      |         |         |         |      | 2.3  | 18.8            |
| W                 | 1.1   | 1.1   | 1.1    |         |         |         |         |         |         |         |      | 3.4  | 5.3             |
| WNW               |       | 2.3   | 2.3    | .6      |         |         |         |         |         |         |      | 5.1  | 7.3             |
| NW                | 1.1   | .6    | 2.3    |         |         |         |         |         |         |         |      | 4.0  | 6.7             |
| NNW               | 1.7   | .6    | 1.7    | .6      |         |         |         |         |         |         |      | 4.6  | 6.1             |
| VARBL             |       |       |        |         |         |         |         |         |         |         |      |      |                 |
| CALM              |       |       |        |         |         |         |         |         |         |         |      |      |                 |
|                   | 1.1   | 1.7   | 2.9    | 2.9     | 1.1     | 1.1     | 1.1     |         |         |         |      | 10.0 | 11.2            |

TOTAL NUMBER OF OBSERVATIONS 175

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

# SURFACE WINDS

## PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

0001 MAUI OPTICAL SITE HI NORTH TOWER 77-79 NOV  
STATION STATION NAME YEARS MONTH  
ALL WEATHER  
CLASS  
CONDITION  
0300-0500  
HOURS (L.S.T.)

| SPEED<br>(KNTS)<br>DIR. | 1-3 | 4-6  | 7-10 | 11-16 | 17-21 | 22-27 | 28-33 | 34-40 | 41-47 | 48-55 | ≥56 | %     | MEAN<br>WIND<br>SPEED |
|-------------------------|-----|------|------|-------|-------|-------|-------|-------|-------|-------|-----|-------|-----------------------|
| N                       | .6  | 1.1  | 2.3  | 1.7   |       |       |       |       |       |       |     | 5.7   | 8.6                   |
| NNE                     |     | .6   | 1.7  | 1.1   | 1.1   |       |       |       |       |       |     | 4.6   | 12.0                  |
| NE                      |     | .6   | 4.6  | 3.4   | 2.3   |       |       |       |       |       |     | 10.9  | 11.5                  |
| ENE                     | .6  | .6   | 3.4  | 3.4   | 2.9   |       |       |       |       |       |     | 10.9  | 12.1                  |
| E                       | 1.1 | .6   | 1.1  | 5.2   | .6    | 2.9   |       |       |       |       |     | 11.5  | 14.0                  |
| ESE                     |     |      | 1.7  | 1.1   | 2.3   | 2.3   | 1.7   |       |       |       |     | 9.2   | 19.6                  |
| SE                      |     |      | .6   | 1.1   | .6    | .6    |       |       |       |       |     | 2.9   | 15.2                  |
| SSE                     | .6  |      |      | 4.0   | .6    | 1.1   | 1.1   |       |       |       |     | 7.5   | 16.6                  |
| S                       | .6  |      | .6   | 1.1   |       | .6    |       |       |       |       |     | 2.9   | 12.8                  |
| SSW                     | .6  | 1.7  | 2.3  | .6    | .6    |       |       |       |       |       |     | 5.7   | 6.6                   |
| SW                      | .6  | 1.7  | 2.3  | 3.4   | 1.1   |       |       |       |       |       |     | 9.2   | 10.4                  |
| WSW                     | .6  | 1.1  | 2.3  | 1.1   |       |       |       |       |       |       |     | 5.2   | 7.8                   |
| W                       | 1.1 |      | 2.3  |       |       |       |       |       |       |       |     | 3.4   | 5.8                   |
| WNW                     | .6  | 1.1  | .6   | 1.7   |       | .6    |       |       |       |       |     | 4.6   | 13.1                  |
| NW                      |     | 1.1  | 1.7  |       |       |       |       |       |       |       |     | 2.9   | 7.6                   |
| NNW                     | 1.1 | .6   |      | 1.1   |       |       |       |       |       |       |     | 2.9   | 7.2                   |
| VARBL                   |     |      |      |       |       |       |       |       |       |       |     |       |                       |
| CALM                    |     |      |      |       |       |       |       |       |       |       |     |       |                       |
|                         | 8.2 | 10.9 | 27.6 | 30.5  | 12.1  | 8.0   | 2.9   |       |       |       |     | 100.0 | 12.0                  |

TOTAL NUMBER OF OBSERVATIONS 174

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

# SURFACE WINDS

## PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

0001 STATION MAUI OPTICAL SITE HI NORTH TOWER 77-79 YEARS NOV NORTH  
ALL WEATHER CLASS 3600-0800 HOURS (L.S.T.)  
CONDITION

| SPEED (KNTS) DIR. | 1-3 | 4-6  | 7-10 | 11-16 | 17-21 | 22-27 | 28-33 | 34-40 | 41-47 | 48-55 | ≥56 | %     | MEAN WIND SPEED |
|-------------------|-----|------|------|-------|-------|-------|-------|-------|-------|-------|-----|-------|-----------------|
| N                 | .6  |      | .6   | .6    | .6    |       |       |       |       |       |     | 2.3   | 10.5            |
| NNE               | .6  | 1.2  | 1.7  | 2.3   |       |       |       |       |       |       |     | 5.8   | 8.8             |
| NE                |     | 1.7  | 2.9  | 2.9   | 1.7   |       |       |       |       |       |     | 9.2   | 11.3            |
| NNE               |     | 2.3  | 2.3  | 4.6   | 1.7   |       |       |       |       |       |     | 11.0  | 11.0            |
| E                 |     | 2.9  | 3.5  | 2.3   | .6    | 1.7   |       | .6    |       |       |     | 11.6  | 13.1            |
| ESE               | .6  | .6   | 1.7  | 1.2   | 2.3   | 2.9   | .6    |       |       |       |     | 9.8   | 16.8            |
| SE                |     |      |      | 3.5   |       |       | 1.2   |       |       |       |     | 4.6   | 17.1            |
| SSE               |     | .6   | 2.3  |       | .6    | 1.2   | .6    |       |       |       |     | 5.2   | 16.1            |
| S                 |     | 1.2  | 1.2  | 1.2   |       |       | .6    |       |       |       |     | 4.0   | 12.0            |
| SSW               | .6  | .6   | 1.2  | 1.2   | .6    |       | .6    |       |       |       |     | 4.6   | 12.3            |
| SW                | 2.3 | 1.7  | 3.5  | 2.9   | .6    |       |       |       |       |       |     | 11.0  | 7.9             |
| WSW               | 1.7 |      | .6   | 1.2   |       |       |       |       |       |       |     | 3.5   | 7.0             |
| W                 | 1.2 | 1.2  |      | .6    |       |       |       |       |       |       |     | 2.9   | 5.4             |
| WNW               | 1.2 | 2.3  | .6   |       |       |       |       |       |       |       |     | 4.0   | 5.0             |
| NW                | .6  | 1.2  | 2.9  | .6    | 1.2   | .6    |       |       |       |       |     | 6.9   | 11.0            |
| NNW               | .6  | 1.7  | .6   |       |       | .6    |       |       |       |       |     | 3.5   | 7.5             |
| VARBL             |     |      |      |       |       |       |       |       |       |       |     |       |                 |
| CALM              |     |      |      |       |       |       |       |       |       |       |     |       |                 |
|                   | 9.8 | 19.1 | 25.4 | 24.9  | 9.8   | 6.9   | 3.5   | .6    |       |       |     | 100.0 | 11.3            |

TOTAL NUMBER OF OBSERVATIONS 173

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

## SURFACE WINDS

### PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

0001  
STATION

MAUI OPTICAL SITE HI NORTH TOWER  
STATION NAME

77-79  
YEARS

NOV  
MONTH

ALL WEATHER  
CLASS

0900-1100  
HOURS (L.S.T.)

CONDITION

| SPEED<br>(KNTS)<br>DIR. | 1 - 3 | 4 - 6 | 7 - 10 | 11 - 16 | 17 - 21 | 22 - 27 | 28 - 33 | 34 - 40 | 41 - 47 | 48 - 55 | ≥ 56 | %     | MEAN<br>WIND<br>SPEED |
|-------------------------|-------|-------|--------|---------|---------|---------|---------|---------|---------|---------|------|-------|-----------------------|
| N                       | .6    | .6    | 1.1    |         |         |         |         |         |         |         |      | 2.3   | 5.3                   |
| NNE                     |       | .6    |        | 1.7     |         |         |         |         |         |         |      | 2.3   | 12.0                  |
| NE                      | .6    | 1.1   | 2.3    | 1.7     | .6      |         |         |         |         |         |      | 6.3   | 9.8                   |
| ENE                     |       | 1.1   | 2.9    | 5.1     | 2.9     |         |         |         |         |         |      | 12.0  | 12.8                  |
| E                       | .6    | .6    | 1.1    | 2.3     | .6      | .6      |         | .6      |         |         |      | 6.3   | 14.3                  |
| ESE                     | .6    | 2.3   | 1.1    | 2.3     | 2.3     | 1.7     |         |         |         |         |      | 10.3  | 13.5                  |
| SE                      |       | 1.7   | 1.7    | 4.0     | 1.7     | .6      |         |         |         |         |      | 9.7   | 12.8                  |
| SSE                     |       | 2.3   | 1.7    | 1.1     | 1.1     | .6      | 1.1     |         |         |         |      | 8.0   | 13.8                  |
| S                       | .6    |       | 2.3    | .6      |         |         | .6      |         |         |         |      | 4.0   | 11.1                  |
| SSW                     |       | 2.3   | .6     | 1.7     |         |         |         |         |         |         |      | 4.6   | 8.0                   |
| SW                      |       | 2.9   | 2.3    | 1.7     |         |         |         |         |         |         |      | 6.9   | 8.3                   |
| WSW                     | .6    | 2.3   | 1.7    | 1.7     |         |         |         |         |         |         |      | 6.3   | 7.8                   |
| W                       |       |       |        |         |         |         |         |         |         |         |      |       |                       |
| WNW                     | 1.1   | 3.4   | .6     |         |         |         |         |         |         |         |      | 5.1   | 4.9                   |
| NW                      | 1.7   | 2.3   | 1.7    | .6      | 1.7     |         |         |         |         |         |      | 8.0   | 8.9                   |
| NNW                     | 2.3   | 1.7   | 3.4    | .6      |         |         |         |         |         |         |      | 8.0   | 5.9                   |
| VARBL                   |       |       |        |         |         |         |         |         |         |         |      |       |                       |
| CALM                    |       |       |        |         |         |         |         |         |         |         |      |       |                       |
|                         | 8.6   | 25.1  | 24.6   | 25.1    | 10.9    | 3.4     | 1.7     | .6      |         |         |      | 100.0 | 10.5                  |

TOTAL NUMBER OF OBSERVATIONS 175

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIP WEATHER SERVICE/MAC

## SURFACE WINDS

### PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

0001 MAUI OPTICAL SITE HI NORTH TOWER 77-79 NOV  
STATION STATION NAME YEARS MONTH  
ALL WEATHER  
CLASS  
CONDITION  
1200-1400  
HOURS (L.S.T.)

| SPEED<br>(KNTS)<br>DIR. | 1 - 3 | 4 - 6 | 7 - 10 | 11 - 16 | 17 - 21 | 22 - 27 | 28 - 33 | 34 - 40 | 41 - 47 | 48 - 55 | ≥ 56 | %     | MEAN<br>WIND<br>SPEED |
|-------------------------|-------|-------|--------|---------|---------|---------|---------|---------|---------|---------|------|-------|-----------------------|
| N                       |       | .6    |        |         |         |         |         |         |         |         |      | .6    | 6.0                   |
| NNE                     | .6    |       | 1.1    | 1.7     |         |         |         |         |         |         |      | 3.3   | 9.7                   |
| NE                      | .6    | 2.8   | 1.7    | 1.7     | .6      | 1.1     |         |         |         |         |      | 8.3   | 10.8                  |
| ENE                     | 1.1   | 1.1   | 3.3    | 2.2     | 2.2     |         |         |         |         |         |      | 9.9   | 10.2                  |
| E                       | .6    | 2.2   |        | 2.2     | 1.7     |         | 1.1     |         |         |         |      | 7.7   | 13.6                  |
| ESE                     |       | .6    | 1.1    | 3.3     | .6      |         | .6      |         |         |         |      | 6.1   | 13.5                  |
| SE                      |       | 2.2   | 2.8    | 1.7     | 4.4     | .6      | 1.1     |         |         |         |      | 12.7  | 14.4                  |
| SSE                     | .6    | 1.7   |        | 3.3     |         | .6      |         |         |         |         |      | 6.1   | 11.1                  |
| S                       |       | .6    | .6     | 1.1     | 1.7     | 1.1     |         |         |         |         |      | 5.0   | 15.4                  |
| SSW                     | .6    | .6    | 1.7    | .6      | .6      |         |         |         |         |         |      | 3.9   | 8.7                   |
| SW                      | .6    | 2.8   | 1.7    | 1.1     | 2.2     |         |         |         |         |         |      | 8.3   | 10.3                  |
| WSW                     | 2.2   | 1.7   | .6     | .6      |         |         |         |         |         |         |      | 5.0   | 5.3                   |
| W                       | 1.7   | 2.2   | 1.1    |         |         |         |         |         |         |         |      | 5.0   | 4.7                   |
| WNW                     | 3.3   | 3.3   | 1.1    |         |         |         |         |         |         |         |      | 7.7   | 4.4                   |
| NW                      | 3.3   | 2.2   |        | .6      | .6      |         |         |         |         |         |      | 6.6   | 5.7                   |
| NNW                     | .6    | 1.7   |        |         | 1.7     |         |         |         |         |         |      | 3.9   | 10.1                  |
| VARBL                   |       |       |        |         |         |         |         |         |         |         |      |       |                       |
| CALM                    |       |       |        |         |         |         |         |         |         |         |      |       |                       |
|                         | 15.5  | 26.0  | 16.6   | 19.9    | 16.0    | 3.3     | 2.8     |         |         |         |      | 100.0 | 10.2                  |

TOTAL NUMBER OF OBSERVATIONS 181

2

PERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)

| SPEED<br>(KNTS)<br>DIR. | 1 - 3 | 4 - 6 | 7 - 10 | 11 - 16 | 17 - 21 | 22 - 27 | 28 - 33 | 34 - 40 | 41 - 47 | 48 - 55 | ≥ 56 | %     | MEAN<br>WIND<br>SPEED |
|-------------------------|-------|-------|--------|---------|---------|---------|---------|---------|---------|---------|------|-------|-----------------------|
| N                       |       | .5    |        | .5      |         |         |         |         |         |         |      | 1.1   | 7.5                   |
| NNE                     | .5    |       | 2.2    | .5      |         |         |         |         |         |         |      | 3.3   | 7.8                   |
| NE                      | .5    | .5    | 1.6    | 2.2     | 2.2     |         |         |         |         |         |      | 7.1   | 12.0                  |
| ENE                     | .5    | .5    | 1.6    | 6.0     | 1.1     |         | .5      |         |         |         |      | 10.4  | 13.3                  |
| E                       | .5    | 1.1   | 3.3    | 3.3     | 3.3     |         | 1.1     | .5      |         |         |      | 13.2  | 14.8                  |
| ESE                     | .5    | .5    | .5     | .5      | 1.6     | 1.1     |         |         |         |         |      | 4.9   | 15.2                  |
| SE                      | 1.1   | 2.2   | 2.7    | 3.3     | 1.1     | .5      |         |         |         |         |      | 11.0  | 10.2                  |
| SSE                     | .5    | 1.6   | 3.3    | .5      | .5      |         | .5      |         |         |         |      | 7.1   | 10.1                  |
| S                       |       | .5    | 1.1    | .5      | .5      | .5      |         |         |         |         |      | 3.3   | 12.8                  |
| SSW                     | .5    | 1.1   | 1.6    | 1.1     |         | .5      |         |         |         |         |      | 4.9   | 9.6                   |
| SW                      | 1.6   | 2.2   | 1.1    | 2.2     | 1.1     | .5      |         |         |         |         |      | 8.8   | 9.6                   |
| WSW                     |       | 1.6   |        | .5      | .5      |         |         |         |         |         |      | 2.7   | 9.2                   |
| W                       | .5    | 1.6   | 1.6    |         |         |         |         |         |         |         |      | 3.8   | 6.6                   |
| WNW                     | 2.2   | 1.6   | 1.6    | .5      |         |         |         |         |         |         |      | 6.0   | 6.5                   |
| NW                      |       | 3.3   | 1.6    |         | .5      |         |         |         |         |         |      | 5.5   | 7.5                   |
| NNW                     | 2.7   | 1.1   | 1.6    | 1.1     |         |         |         |         |         |         |      | 6.6   | 5.4                   |
| VARBL                   |       |       |        |         |         |         |         |         |         |         |      |       |                       |
| CALM                    |       |       |        |         |         |         |         |         |         |         |      |       |                       |
|                         | 12.1  | 21.3  | 25.8   | 23.1    | 12.6    | 3.3     | 2.2     | .5      |         |         |      | 100.0 | 10.5                  |

USAFETAC FORM 0-8.5 (OL-A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE  
JUL 64



GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

## SURFACE WINDS

### PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

STATION 0001 STATION NAME MAUI OPTICAL SITE HI NORTH TOWER YEARS 77-79 MONTH NOV

CLASS ALL WEATHER HOURS (L.S.T.) 1800-2000

CONDITION \_\_\_\_\_

| SPEED<br>(KNTS)<br>DIR. | 1 - 3 | 4 - 6 | 7 - 10 | 11 - 16 | 17 - 21 | 22 - 27 | 28 - 33 | 34 - 40 | 41 - 47 | 48 - 55 | ≥ 56 | %     | MEAN<br>WIND<br>SPEED |
|-------------------------|-------|-------|--------|---------|---------|---------|---------|---------|---------|---------|------|-------|-----------------------|
| N                       | .5    |       | 1.1    | .5      |         |         |         |         |         |         |      | 2.2   | 7.8                   |
| NNE                     | .5    | .5    | 1.1    |         |         |         |         |         |         |         |      | 2.7   | 8.8                   |
| NE                      | .5    | .5    | 3.3    | 2.7     | 1.5     | .5      |         |         |         |         |      | 9.3   | 11.2                  |
| ENE                     |       | .5    | 4.9    | 3.3     | 2.7     | 1.6     | 2.2     |         |         |         |      | 15.4  | 16.1                  |
| E                       |       | .5    | 2.7    | 6.0     | 1.6     | 1.1     |         |         |         |         |      | 12.1  | 13.5                  |
| ESE                     | .5    |       | 1.1    | 1.1     | 1.1     |         |         |         |         |         |      | 3.8   | 12.9                  |
| SE                      |       | 1.6   | 2.7    | 2.2     | 1.1     | .5      |         |         |         |         |      | 8.2   | 11.5                  |
| SSE                     |       | 1.1   | 2.2    | .5      |         |         |         |         |         |         |      | 3.8   | 8.4                   |
| S                       | 2.2   | 1.1   | .5     | 2.7     | .5      |         |         |         |         |         |      | 7.1   | 9.3                   |
| SSW                     | 1.1   | 1.6   |        | 1.1     | .5      | .5      |         |         |         |         |      | 4.9   | 10.9                  |
| SW                      | .5    | 1.6   | 2.2    | 1.1     |         | .5      | .5      |         |         |         |      | 6.6   | 11.4                  |
| WSW                     | .5    |       | 1.1    |         | .5      |         |         |         |         |         |      | 2.2   | 9.8                   |
| W                       | 1.1   | .5    | 2.2    |         |         |         |         |         |         |         |      | 3.8   | 6.1                   |
| WNW                     | 1.6   | 1.6   | 1.6    |         |         |         |         |         |         |         |      | 4.9   | 5.4                   |
| NW                      | 2.2   | 2.2   | 3.3    | 1.6     |         |         |         |         |         |         |      | 9.3   | 6.8                   |
| NNW                     | .5    | 1.1   | 1.6    |         |         |         |         |         |         |         |      | 3.3   | 6.2                   |
| VARBL                   |       |       |        |         |         |         |         |         |         |         |      |       |                       |
| CALM                    |       |       |        |         |         |         |         |         |         |         |      |       |                       |
|                         | 12.1  | 14.8  | 31.9   | 23.1    | 17.4    | 4.9     | 2.7     |         |         |         |      | 100.0 | 10.8                  |

TOTAL NUMBER OF OBSERVATIONS 182

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

## SURFACE WINDS

### PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

STATION 7001 STATION NAME MAUI OPTICAL SITE HI NORTH TOWER YEARS 77-79 MONTH NOV  
CLASS ALL WEATHER NOBS 2100-2300  
CONDITION NOV8 (L.S.T.)

| SPEED<br>(KNTS)<br>DIR. | 1-3 | 4-6  | 7-10 | 11-16 | 17-21 | 22-27 | 28-33 | 34-40 | 41-47 | 48-55 | ≥56 | %     | MEAN<br>WIND<br>SPEED |
|-------------------------|-----|------|------|-------|-------|-------|-------|-------|-------|-------|-----|-------|-----------------------|
| N                       | .6  | .6   | 1.7  | .6    |       |       |       |       |       |       |     | 3.3   | 7.8                   |
| NNE                     |     | 2.2  | 2.2  |       |       |       |       |       |       |       |     | 4.4   | 6.3                   |
| NE                      | 1.1 | 1.1  | 1.1  | 3.3   | 1.7   |       |       |       |       |       |     | 8.3   | 11.5                  |
| ENE                     |     | 2.2  | 7.2  | 4.4   | 2.2   | 2.8   |       |       |       |       |     | 18.6  | 12.7                  |
| E                       |     | 1.1  | 2.2  | 2.8   | 1.7   | 2.2   | .6    |       |       |       |     | 10.5  | 16.3                  |
| ESE                     |     | 1.1  | .6   | 1.7   | 3.3   |       |       |       |       |       |     | 6.6   | 13.9                  |
| SE                      |     | .6   | 1.1  | 3.3   | .6    | .6    |       |       |       |       |     | 6.1   | 12.4                  |
| SSE                     |     | 1.1  | 2.2  | .6    |       |       |       |       |       |       |     | 3.9   | 7.9                   |
| S                       | 1.1 |      | 1.7  | .6    | 1.1   |       |       |       |       |       |     | 4.4   | 10.4                  |
| SSW                     | .6  | 1.7  | 1.7  |       | .6    | .6    | .6    |       |       |       |     | 5.5   | 11.8                  |
| SW                      | 1.1 | 2.2  | 1.1  |       | 1.1   |       |       |       |       |       |     | 5.5   | 8.3                   |
| WSW                     | .6  | 1.1  | 1.7  | 1.1   |       | 1.1   |       |       |       |       |     | 5.5   | 11.6                  |
| W                       | 1.1 | 2.2  |      | .6    |       |       |       |       |       |       |     | 3.9   | 5.0                   |
| WNW                     | 1.1 | 1.7  | 2.2  |       |       |       |       |       |       |       |     | 5.0   | 5.4                   |
| NW                      | 1.7 | .6   | 1.7  | .6    |       |       |       |       |       |       |     | 4.4   | 6.1                   |
| NNW                     | .6  | 1.7  | 1.7  |       |       |       |       |       |       |       |     | 3.9   | 5.4                   |
| VARBL                   |     |      |      |       |       |       |       |       |       |       |     |       |                       |
| CALM                    |     |      |      |       |       |       |       |       |       |       |     |       |                       |
|                         | 2.4 | 21.1 | 29.8 | 19.3  | 12.2  | 7.2   | 1.1   |       |       |       |     | 100.0 | 10.7                  |

TOTAL NUMBER OF OBSERVATIONS 181

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

# SURFACE WINDS

## PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

0001  
STATION

MAUI OPTICAL SITE HI NORTH TOWER  
STATION NAME

77-79  
YEARS

NOV  
MONTH

ALL WEATHER  
CLASS

ALL  
HOURS (L.O.T.)

CONDITION

| SPEED<br>(KNTS)<br>DIR. | 1 - 3 | 4 - 6 | 7 - 10 | 11 - 16 | 17 - 21 | 22 - 27 | 28 - 33 | 34 - 40 | 41 - 47 | 48 - 55 | ≥ 56 | %     | MEAN<br>WIND<br>SPEED |
|-------------------------|-------|-------|--------|---------|---------|---------|---------|---------|---------|---------|------|-------|-----------------------|
| N                       | .5    | .8    | .9     | .5      | .1      |         |         |         |         |         |      | 2.7   | 7.4                   |
| NNE                     | .6    | .8    | 1.5    | 1.0     | .2      |         |         |         |         |         |      | 4.1   | 8.6                   |
| NE                      | .5    | 1.2   | 2.4    | 2.7     | 1.6     | .2      |         |         |         |         |      | 9.6   | 11.4                  |
| NNE                     | .3    | 1.3   | 3.2    | 4.4     | 2.3     | .6      | .4      |         |         |         |      | 12.4  | 13.0                  |
| E                       | .4    | 1.2   | 2.2    | 3.4     | 1.6     | 1.4     | .4      | .2      |         |         |      | 10.8  | 14.4                  |
| ESE                     | .3    | .8    | 1.1    | 2.0     | 1.9     | 1.1     | .4      |         |         |         |      | 7.4   | 15.3                  |
| SE                      | .1    | 1.1   | 1.5    | 2.5     | 1.2     | .4      | .3      |         |         |         |      | 7.1   | 12.9                  |
| SSE                     | .4    | 1.1   | 1.7    | 1.6     | .5      | .5      | .4      |         |         |         |      | 6.1   | 12.4                  |
| S                       | .7    | .5    | 1.2    | 1.1     | .6      | .4      | .1      |         |         |         |      | 4.6   | 11.7                  |
| SSW                     | .5    | 1.4   | 1.3    | 1.0     | .4      | .2      | .1      |         |         |         |      | 4.9   | 9.8                   |
| SW                      | .8    | 2.0   | 1.9    | 2.0     | .8      | .1      | .1      |         |         |         |      | 7.8   | 9.6                   |
| WSW                     | .8    | 1.1   | 1.0    | .8      | .2      | .2      | .1      |         |         |         |      | 4.1   | 9.0                   |
| W                       | 1.2   | 1.1   | 1.1    | .1      |         |         |         |         |         |         |      | 3.3   | 5.5                   |
| WNW                     | 1.4   | 2.2   | 1.3    | .4      |         | .1      |         |         |         |         |      | 5.3   | 6.0                   |
| NW                      | 1.3   | 1.7   | 1.9    | .5      | .5      | .1      |         |         |         |         |      | 6.0   | 7.6                   |
| NNW                     | 1.3   | 1.3   | 1.3    | .4      | .2      | .1      |         |         |         |         |      | 4.6   | 6.5                   |
| VARBL                   |       |       |        |         |         |         |         |         |         |         |      |       |                       |
| CALM                    |       |       |        |         |         |         |         |         |         |         |      |       |                       |
|                         | 10.8  | 19.4  | 25.6   | 24.3    | 12.1    | 5.4     | 2.2     | .2      |         |         |      | 100.0 | 10.9                  |

TOTAL NUMBER OF OBSERVATIONS

1423

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

## SURFACE WINDS

### PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

STATION 0001 MAUI OPTICAL SITE HI NORTH TOWER STATION NAME 77-79 YEARS DEC MONTH 0000-0200 HOURS (L.S.T.)

CLASS ALL WEATHER

CONDITION

| SPEED (KNTS) DIR. | 1-3 | 4-6  | 7-10 | 11-16 | 17-21 | 22-27 | 28-33 | 34-40 | 41-47 | 48-55 | ≥56 | %     | MEAN WIND SPEED |
|-------------------|-----|------|------|-------|-------|-------|-------|-------|-------|-------|-----|-------|-----------------|
| N                 | 2.0 | .8   | .4   | 1.6   | 1.6   | 1.2   | .4    |       |       |       |     | 7.9   | 13.0            |
| NNE               | .8  | .4   | 2.0  | .8    | .8    | 1.2   | .4    | .8    |       |       |     | 7.1   | 16.6            |
| NE                | .8  | .4   | 2.0  | .8    | 1.2   | .4    | .8    |       |       |       |     | 6.3   | 14.1            |
| ENE               | .8  | .8   | 5.1  | 6.7   | 3.9   | 2.8   | .4    | .4    |       |       |     | 20.9  | 14.7            |
| E                 | .4  | .4   | 2.0  | 3.1   | 1.6   | .8    | .4    | .4    | .4    |       |     | 9.4   | 16.3            |
| ESE               |     | .4   |      | 2.0   | 1.2   |       |       |       |       |       |     | 3.9   | 12.9            |
| SE                |     | .4   | 1.6  | 2.0   |       | 1.2   |       |       |       |       |     | 5.1   | 12.5            |
| SSE               | 1.2 | 2.0  | .8   | .4    |       |       |       |       |       |       |     | 5.5   | 7.6             |
| S                 |     | 2.0  | .4   | 1.2   |       |       |       |       |       |       |     | 3.5   | 7.8             |
| SSW               |     | 1.6  | 1.2  | .8    | .4    | .4    |       |       |       |       |     | 4.3   | 10.6            |
| SW                | .4  | 1.2  | 2.0  | 2.0   | 1.6   |       |       |       |       |       |     | 7.1   | 11.4            |
| WSW               | .8  | .4   | 1.2  |       | .8    |       |       |       |       |       |     | 3.1   | 9.1             |
| W                 | .8  | .8   | .4   | .8    | .4    |       |       |       |       |       |     | 3.1   | 8.6             |
| WNW               |     |      | .8   | 1.2   | .4    |       |       |       |       |       |     | 2.4   | 12.3            |
| NW                | .4  | 1.2  | 1.6  | .8    |       | .8    |       |       |       |       |     | 4.7   | 10.7            |
| NNW               | .4  | .4   | 1.2  | 2.0   | .4    | .8    | .4    |       |       |       |     | 5.5   | 13.8            |
| VARBL             |     |      |      |       |       |       |       |       |       |       |     |       |                 |
| CALM              |     |      |      |       |       |       |       |       |       |       |     |       |                 |
|                   | 8.7 | 13.0 | 22.4 | 27.6  | 14.2  | 9.4   | 2.8   | 1.6   | .4    |       |     | 100.0 | 12.9            |

TOTAL NUMBER OF OBSERVATIONS 254

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

# SURFACE WINDS

## PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

0001 MAUI OPTICAL SITE HI NORTH TOWER 77-79 DEC  
STATION STATION NAME YEARS MONTH  
ALL WEATHER  
CLASS  
CONDITION  
0300-0500  
HOURS (L.S.T.)

| SPEED<br>(KNTS)<br>DIR. | 1 - 3 | 4 - 6 | 7 - 10 | 11 - 16 | 17 - 21 | 22 - 27 | 28 - 33 | 34 - 40 | 41 - 47 | 48 - 55 | ≥ 56 | %     | MEAN<br>WIND<br>SPEED |
|-------------------------|-------|-------|--------|---------|---------|---------|---------|---------|---------|---------|------|-------|-----------------------|
| N                       |       | .4    | 1.6    | .4      | 1.2     | 1.6     | .4      |         |         |         |      | 5.6   | 17.1                  |
| NNE                     | .4    | .4    |        | .4      | 1.2     | .8      | .4      | .4      |         |         |      | 4.0   | 19.4                  |
| NE                      |       | .8    | 3.6    | 4.0     | 2.4     | .4      | .8      | .8      |         |         |      | 12.7  | 15.5                  |
| ENE                     |       | .4    | 3.6    | 6.4     | 2.8     | 2.0     | .4      | .4      |         |         |      | 15.9  | 15.4                  |
| E                       | .4    | 1.6   | 3.2    | 1.6     | 2.8     | .8      | .4      | .4      |         |         |      | 11.2  | 14.1                  |
| ESE                     | .4    | .4    | 1.6    | .4      | 1.6     |         |         |         |         |         |      | 4.4   | 11.6                  |
| SE                      |       |       | 4.4    | 2.0     |         |         |         |         |         |         |      | 6.4   | 9.7                   |
| SSE                     |       | 1.6   | .8     | 1.6     |         |         |         |         |         |         |      | 4.0   | 9.1                   |
| S                       | .8    | .8    | 1.2    | .4      |         |         |         |         |         |         |      | 3.2   | 6.6                   |
| SSW                     | 1.2   | .8    | 2.4    | .8      |         |         |         |         |         |         |      | 5.2   | 7.5                   |
| SW                      | .4    | 2.4   | 1.6    | 1.2     | .4      | .4      |         |         |         |         |      | 6.4   | 8.6                   |
| WSW                     | .8    | .8    | .8     | .8      | .4      |         |         |         |         |         |      | 3.6   | 9.0                   |
| W                       |       | .4    | .8     | .8      | .4      |         |         |         |         |         |      | 2.4   | 11.5                  |
| WNW                     | .4    | 1.6   | .8     | .4      |         |         |         |         |         |         |      | 3.2   | 5.9                   |
| NW                      |       |       | 1.2    | 2.0     | .4      | .4      | .4      |         |         |         |      | 4.4   | 14.8                  |
| NNW                     | 1.6   | .8    | 1.6    | 2.4     | .4      | .8      |         |         |         |         |      | 7.6   | 10.2                  |
| VARBL                   |       |       |        |         |         |         |         |         |         |         |      |       |                       |
| CALM                    |       |       |        |         |         |         |         |         |         |         |      |       |                       |
|                         | 6.4   | 13.1  | 29.1   | 25.5    | 13.9    | 7.2     | 2.8     | 2.0     |         |         |      | 100.0 | 12.6                  |

TOTAL NUMBER OF OBSERVATIONS 251

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

0001  
STATION

MAUI OPTICAL SITE HI NORTH TOWER  
STATION NAME

77-79  
YEARS

DEC  
MONTH

ALL WEATHER  
CLASS

1600-0800  
HOURS (L.S.T.)

CONDITION

| SPEED<br>(KNTS)<br>DIR. | 1 - 3 | 4 - 6 | 7 - 10 | 11 - 16 | 17 - 21 | 22 - 27 | 28 - 33 | 34 - 40 | 41 - 47 | 48 - 55 | ≥ 56 | %     | MEAN<br>WIND<br>SPEED |
|-------------------------|-------|-------|--------|---------|---------|---------|---------|---------|---------|---------|------|-------|-----------------------|
| N                       | .4    | .4    | 1.6    | 1.6     | .4      | .4      |         | .4      |         |         |      | 5.2   | 14.1                  |
| NNE                     |       |       | .8     | 2.4     | 1.2     |         | 1.6     | .8      |         |         |      | 6.9   | 20.7                  |
| NE                      |       | .4    | .8     | 2.4     | 2.7     | 1.2     | 1.2     | .4      |         |         |      | 8.5   | 18.9                  |
| ENE                     | .4    |       | 3.6    | 8.1     | 3.6     | .4      |         | .4      |         |         |      | 16.5  | 14.4                  |
| E                       | .4    | 2.7   | 2.0    | 4.0     | .4      | 2.7     | .4      |         | .4      |         |      | 11.7  | 14.5                  |
| ESE                     | .4    | .4    | 2.4    | 2.8     | .8      | .8      |         |         |         |         |      | 7.7   | 12.3                  |
| SE                      |       | .8    | 2.4    | 1.6     |         |         |         |         |         |         |      | 4.8   | 9.3                   |
| SSE                     | .4    |       | 2.4    | .8      |         |         |         |         |         |         |      | 3.6   | 8.9                   |
| S                       |       |       | .8     | .8      | .4      | .4      |         |         |         |         |      | 2.4   | 14.5                  |
| SSW                     | .4    | 1.2   | .4     | .4      |         |         |         | .8      |         |         |      | 3.2   | 14.3                  |
| SW                      |       | 2.4   | 3.6    | 2.0     | .4      | .4      |         |         |         |         |      | 8.9   | 10.0                  |
| WSW                     | 3.2   | 1.2   | 1.2    | .4      |         |         |         |         |         |         |      | 6.0   | 4.9                   |
| W                       |       | .4    | .8     | .8      |         |         |         |         |         |         |      | 2.0   | 10.8                  |
| WNW                     | .8    |       |        | 2.0     |         |         |         |         |         |         |      | 2.8   | 10.1                  |
| NW                      |       | .4    | .4     | .8      |         | .4      |         |         |         |         |      | 2.0   | 12.8                  |
| NNW                     |       | .8    | 2.0    | 2.0     | 1.6     | 1.2     |         |         |         |         |      | 7.7   | 13.8                  |
| VARBL                   |       |       |        |         |         |         |         |         |         |         |      |       |                       |
| CALM                    |       |       |        |         |         |         |         |         |         |         |      |       |                       |
|                         | 6.5   | 10.5  | 25.4   | 33.1    | 10.9    | 7.3     | 3.2     | 2.8     | .4      |         |      | 100.0 | 13.4                  |

TOTAL NUMBER OF OBSERVATIONS

248

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

100  
STATION

MAUI OPTICAL SITE HI NORTH TOWER

77-79

YEARS

DEC

MONTH

ALL WEATHER

CLASS

1900-1100

HOURS (L.S.T.)

CONDITION

| SPEED<br>(KNTS)<br>DIR. | 1 - 3 | 4 - 6 | 7 - 10 | 11 - 16 | 17 - 21 | 22 - 27 | 28 - 33 | 34 - 40 | 41 - 47 | 48 - 55 | ≥ 56 | %     | MEAN<br>WIND<br>SPEED |
|-------------------------|-------|-------|--------|---------|---------|---------|---------|---------|---------|---------|------|-------|-----------------------|
| N                       |       | .4    | 1.2    | 2.4     | .8      | 2.0     |         | .8      |         |         |      | 7.8   | 17.6                  |
| NNE                     | 1.6   | 1.2   | .8     | 2.0     | .8      | 1.2     | .4      | .4      |         |         |      | 8.6   | 13.5                  |
| NE                      | .8    | 1.2   | 1.6    |         | .8      | 1.6     | .8      |         |         |         |      | 6.9   | 15.2                  |
| ENE                     | .8    | .8    | 1.2    | 5.7     | 2.4     | 1.2     | .4      |         |         |         |      | 12.7  | 14.6                  |
| E                       |       | 2.9   | 1.2    | 1.6     | .8      | 1.6     | .8      |         |         |         |      | 9.0   | 14.3                  |
| ESE                     | .4    | .4    | .8     | 2.0     | 2.0     | 1.2     |         |         |         |         |      | 6.9   | 15.5                  |
| SE                      | .8    |       | 3.7    | 2.9     |         |         |         |         |         |         |      | 7.3   | 9.1                   |
| SSE                     | .4    | 1.6   | 1.6    | 1.2     | .4      | .4      |         |         |         |         |      | 5.7   | 10.0                  |
| S                       |       |       | .4     | .8      | 1.2     | .8      |         |         |         |         |      | 3.3   | 18.0                  |
| SSW                     |       | .4    | 2.9    | .4      |         | .4      |         |         | .4      |         |      | 4.5   | 13.6                  |
| SW                      | 1.6   | .9    | 2.4    | 1.2     | 1.2     |         |         |         |         |         |      | 7.3   | 9.6                   |
| WSW                     |       | .4    | 1.2    | .4      |         |         |         |         |         |         |      | 2.0   | 9.2                   |
| W                       | .8    | .4    | .8     | 1.2     |         |         |         |         |         |         |      | 3.3   | 7.4                   |
| WNW                     | .8    |       | .8     | 1.6     |         |         |         |         |         |         |      | 3.3   | 9.8                   |
| NW                      | .4    | .4    | 1.2    | 1.6     |         |         |         |         |         |         |      | 3.7   | 9.2                   |
| NNW                     | 1.2   | 1.2   | 1.6    | 1.2     | .8      | 1.6     |         |         |         |         |      | 7.8   | 12.2                  |
| VARBL                   |       |       |        |         |         |         |         |         |         |         |      |       |                       |
| CALM                    |       |       |        |         |         |         |         |         |         |         |      |       |                       |
|                         | 9.6   | 12.2  | 23.7   | 26.5    | 11.4    | 12.2    | 2.4     | 1.2     | .4      |         |      | 100.0 | 13.0                  |

TOTAL NUMBER OF OBSERVATIONS

245

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

# SURFACE WINDS

## PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

STATION MAUI OPTICAL SITE HI NORTH TOWER YEARS 77-79 DEC NORTH  
STATION NAME CLASS ALL WEATHER HOURS (L.S.T.) 1200-1400  
CONDITION

| SPEED<br>(KNTS)<br>DIR. | 1 - 3 | 4 - 6 | 7 - 10 | 11 - 16 | 17 - 21 | 22 - 27 | 28 - 33 | 34 - 40 | 41 - 47 | 48 - 55 | ≥ 56 | %     | MEAN<br>WIND<br>SPEED |
|-------------------------|-------|-------|--------|---------|---------|---------|---------|---------|---------|---------|------|-------|-----------------------|
| N                       | .4    | .4    | .8     | 2.5     | .8      | 2.1     |         | .8      |         |         |      | 7.9   | 17.7                  |
| NNE                     | 1.2   | .8    | 2.1    | .4      |         | 1.2     | .8      | .4      |         |         |      | 7.1   | 14.4                  |
| NE                      |       | .8    | 3.3    | 1.2     | 2.1     |         |         |         |         |         |      | 7.5   | 11.7                  |
| ENE                     | .4    | .8    | .8     | 4.6     | 4.6     | 1.7     |         |         |         | .4      |      | 13.3  | 16.6                  |
| E                       |       | 1.7   | 2.1    | 1.7     | .8      | 1.7     |         |         |         |         |      | 7.9   | 13.8                  |
| ESE                     |       | .4    | 1.2    | 1.2     | .8      | 2.1     |         | .4      |         |         |      | 6.2   | 18.4                  |
| SE                      | .4    | 1.2   | 1.7    | 2.9     |         |         |         |         |         |         |      | 6.2   | 9.9                   |
| SSE                     | .4    | 1.2   | 1.2    | 2.1     | .8      |         |         |         |         |         |      | 5.8   | 10.2                  |
| S                       | 1.2   |       |        | .4      | .4      |         |         |         |         |         |      | 2.1   | 8.8                   |
| SSW                     |       |       | 3.3    | 1.7     | .4      |         |         |         |         |         |      | 5.4   | 10.5                  |
| SW                      | .4    | .4    | .4     | 2.5     | 2.5     |         |         |         |         |         |      | 6.2   | 13.8                  |
| WSW                     | .8    |       | .8     | .4      |         |         |         |         |         |         |      | 2.1   | 6.4                   |
| W                       |       | 1.2   | 1.2    | .4      |         |         |         |         |         |         |      | 2.9   | 7.4                   |
| WNW                     | .4    | 1.2   | .8     | .4      | .4      |         |         |         |         |         |      | 3.3   | 8.0                   |
| NW                      | 1.2   | 2.1   | .8     | 1.2     | .8      | .4      |         |         |         |         |      | 6.6   | 9.9                   |
| NNW                     | .4    | 1.2   | 2.9    | 3.7     | 1.2     |         |         |         |         |         |      | 9.5   | 11.0                  |
| VARBL                   |       |       |        |         |         |         |         |         |         |         |      |       |                       |
| CALM                    |       |       |        |         |         |         |         |         |         |         |      |       |                       |
|                         | 7.5   | 13.7  | 23.7   | 27.4    | 15.8    | 9.1     | .8      | 1.7     |         | .4      |      | 100.0 | 12.9                  |

TOTAL NUMBER OF OBSERVATIONS 241



GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

STATION 0001 MAUI OPTICAL SITE HI NORTH TOWER 77-79 YEARS DEC NORTH  
STATION NAME CLASS 1500-1700 HOURS (L.S.T.)  
ALL WEATHER  
CONDITION

| SPEED<br>(KNTS)<br>DIR. | 1 - 3 | 4 - 6 | 7 - 10 | 11 - 16 | 17 - 21 | 22 - 27 | 28 - 33 | 34 - 40 | 41 - 47 | 48 - 53 | ≥ 54 | %     | MEAN<br>WIND<br>SPEED |
|-------------------------|-------|-------|--------|---------|---------|---------|---------|---------|---------|---------|------|-------|-----------------------|
| N                       | .4    | .8    | 2.5    | 1.6     | 1.2     | 1.6     | 1.6     | .4      |         |         |      | 10.3  | 17.4                  |
| NNE                     | .4    | 2.1   | .8     | .8      | 1.2     |         | .4      | .8      |         |         |      | 6.6   | 14.3                  |
| NE                      | .8    | 1.2   | 1.2    | 1.2     | .8      | 1.2     | .4      |         | .4      |         |      | 7.4   | 14.8                  |
| ENE                     | .4    | 1.2   | 2.9    | 4.1     | 3.7     | 1.6     | .8      |         |         |         |      | 14.9  | 15.3                  |
| E                       | .4    | .8    |        | 2.9     | 1.6     | .4      | .8      |         | .4      |         |      | 7.4   | 17.0                  |
| ESE                     |       | .4    | .8     | .4      | .4      | 2.5     |         |         |         |         |      | 4.5   | 17.9                  |
| SE                      | .4    | 1.6   | 2.1    | .4      | .4      |         |         |         |         |         |      | 4.9   | 7.9                   |
| SSE                     | .4    | .8    | 1.6    | 1.6     | .4      |         |         |         |         |         |      | 4.9   | 10.0                  |
| S                       | .4    |       |        | .4      |         |         |         |         |         |         |      | .8    | 8.5                   |
| SSW                     | .4    | .8    | 1.2    |         | .4      |         |         |         |         |         |      | 2.9   | 7.6                   |
| SW                      | .8    | .8    | 1.2    | 2.9     | .4      |         | 1.2     |         |         |         |      | 7.4   | 13.6                  |
| WSW                     |       | 1.2   | 2.5    | .8      | .9      |         |         |         |         |         |      | 5.3   | 9.6                   |
| W                       | .9    | .4    | 1.2    | .4      |         |         |         |         |         |         |      | 2.9   | 6.6                   |
| WNW                     | .4    | 1.6   | 1.6    | .8      | .4      |         |         |         |         |         |      | 4.9   | 8.3                   |
| NW                      | 1.2   | 2.1   | .8     | 2.1     | 1.2     |         |         |         |         |         |      | 7.4   | 9.4                   |
| NNW                     | .4    | .8    | .4     | 2.9     | 1.2     | 1.2     | .4      |         |         |         |      | 7.4   | 15.2                  |
| VARBL                   |       |       |        |         |         |         |         |         |         |         |      |       |                       |
| CALM                    |       |       |        |         |         |         |         |         |         |         |      |       |                       |
|                         | 7.8   | 16.9  | 21.0   | 23.5    | 14.4    | 8.6     | 5.8     | 1.2     | .8      |         |      | 100.0 | 13.3                  |

TOTAL NUMBER OF OBSERVATIONS 243

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

## SURFACE WINDS

### PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

0001  
STATION

MAUI OPTICAL SITE HI NORTH TOWER  
STATION NAME

77-79  
YEARS

DEC  
MONTH

ALL WEATHER  
CLASS

1800-2000  
HOURS (L.S.T.)

CONDITION

| SPEED<br>(KNTS)<br>DIR. | 1-3 | 4-6  | 7-10 | 11-16 | 17-21 | 22-27 | 28-33 | 34-40 | 41-47 | 48-55 | ≥56 | %     | MEAN<br>WIND<br>SPEED |
|-------------------------|-----|------|------|-------|-------|-------|-------|-------|-------|-------|-----|-------|-----------------------|
| N                       | .4  | 1.6  | .8   | 2.4   |       | 3.2   | .4    | .4    |       |       |     | 9.2   | 16.8                  |
| NNE                     | .4  | .8   | 2.0  | 4.4   |       | 2.4   | .8    | 1.2   |       |       |     | 12.0  | 17.2                  |
| NE                      | .4  | .8   | 2.0  | 2.8   | 2.4   | .8    |       |       |       |       |     | 9.2   | 13.8                  |
| ENE                     | .4  | 1.2  | 2.4  | 2.4   | 3.2   | 2.4   | .4    |       |       |       |     | 12.4  | 15.2                  |
| E                       | .4  | .4   | 2.0  | 3.6   | 1.2   | 1.2   | .8    | .8    |       |       |     | 10.4  | 16.7                  |
| ESE                     |     | .4   | .8   | 1.2   | .4    | 2.0   |       | .4    | .4    |       |     | 5.6   | 19.7                  |
| SE                      | .4  | .4   | .4   | 1.2   | .8    |       |       |       |       |       |     | 3.2   | 12.5                  |
| SSE                     |     | 1.2  |      | 3.2   |       |       |       |       |       |       |     | 4.4   | 10.9                  |
| S                       | .4  |      | .4   | .8    | .4    |       |       |       |       |       |     | 2.0   | 10.6                  |
| SSW                     | .4  |      | .8   |       | .8    |       |       |       |       |       |     | 2.0   | 11.2                  |
| SW                      | 1.2 | .4   | 1.6  | .8    |       | 1.2   |       |       |       |       |     | 5.2   | 11.1                  |
| WSW                     | .4  | .8   | 1.2  | 3.6   |       |       |       |       |       |       |     | 6.0   | 10.9                  |
| W                       | .8  | .8   | 2.0  | 1.2   |       |       |       |       |       |       |     | 4.8   | 7.5                   |
| WNW                     | .4  | 1.2  | .4   | 1.2   |       |       |       |       |       |       |     | 3.2   | 8.3                   |
| NW                      |     | .4   | 1.2  | 2.0   | .4    | .4    |       |       |       |       |     | 4.4   | 12.1                  |
| NNW                     | .4  | 2.0  |      | 1.2   | 1.2   | .4    | .4    |       |       |       |     | 5.6   | 12.9                  |
| VARBL                   |     |      |      |       |       |       |       |       |       |       |     |       |                       |
| CALM                    |     |      |      |       |       |       |       |       |       |       |     |       |                       |
|                         | 6.4 | 12.4 | 18.1 | 32.1  | 10.8  | 14.1  | 2.8   | 2.8   | .4    |       |     | 100.0 | 14.1                  |

TOTAL NUMBER OF OBSERVATIONS

249

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

0001  
STATION

MAUI OPTICAL SITE HI NORTH TOWER  
STATION NAME

77-79  
YEARS

DEC  
MONTH

ALL WEATHER  
CLASS

2100-2300  
HOURS (L.S.T.)

CONDITION

| SPEED<br>(KNTS)<br>DIR. | 1-3 | 4-6  | 7-10 | 11-16 | 17-21 | 22-27 | 28-33 | 34-40 | 41-47 | 48-55 | ≥56 | %     | MEAN<br>WIND<br>SPEED |
|-------------------------|-----|------|------|-------|-------|-------|-------|-------|-------|-------|-----|-------|-----------------------|
| N                       | .4  | .4   | 1.6  | 1.2   | 1.2   | 1.2   |       |       |       |       |     | 5.8   | 14.1                  |
| NNE                     | 1.6 | .4   | 1.9  | 2.7   | 1.9   | 2.3   | 1.2   | .4    |       |       |     | 12.5  | 16.3                  |
| NE                      | .4  |      | 1.6  | 2.3   | 1.2   | 1.2   |       | 1.6   |       |       |     | 8.2   | 19.1                  |
| ENE                     |     | .8   | 3.1  | 5.1   | 2.7   | 1.2   | .4    | 1.2   |       |       |     | 14.4  | 16.0                  |
| E                       | .4  | 1.9  | 1.2  | 3.5   | 1.6   | 1.6   | 1.2   | 1.2   | .4    |       |     | 12.8  | 17.6                  |
| ESE                     |     | .4   | .4   | 1.9   | 1.9   | .4    |       |       |       |       |     | 5.1   | 15.2                  |
| SE                      |     |      | 1.6  | 1.2   | .8    |       |       |       |       |       |     | 3.5   | 12.8                  |
| SSE                     |     | .4   | .8   | 1.9   |       |       |       |       |       |       |     | 3.1   | 11.0                  |
| S                       |     | .4   |      | .4    | .4    |       |       |       |       |       |     | 1.2   | 11.3                  |
| SSW                     | .4  | 1.2  | .4   | .8    |       |       |       |       |       |       |     | 2.7   | 6.7                   |
| SW                      |     | 1.2  | 1.9  | 3.5   | .8    |       |       |       |       |       |     | 7.4   | 11.6                  |
| WSW                     | .4  | 1.6  | 1.9  | 1.9   | .8    |       |       |       |       |       |     | 6.6   | 9.4                   |
| W                       | .8  | 1.6  | .8   | .4    |       |       |       |       |       |       |     | 3.9   | 6.8                   |
| WNW                     | .8  |      | .4   |       | .4    |       |       |       |       |       |     | 1.6   | 7.8                   |
| NW                      | .8  | 1.6  | .4   | 1.6   | 1.2   |       |       |       |       |       |     | 5.4   | 10.1                  |
| NNW                     | .8  | .8   | 1.2  | 1.2   | 1.2   |       | .8    |       |       |       |     | 5.8   | 13.3                  |
| VARBL                   |     |      |      |       |       |       |       |       |       |       |     |       |                       |
| CALM                    |     |      |      |       |       |       |       |       |       |       |     |       |                       |
|                         | 5.6 | 12.5 | 19.1 | 30.0  | 16.0  | 7.8   | 3.5   | 4.3   | .4    |       |     | 100.0 | 14.0                  |

TOTAL NUMBER OF OBSERVATIONS

257

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

## SURFACE WINDS

### PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

000- HAUI OPTICAL SITE HI NORTH TOWER 77-79  
STATION STATION NAME YEARS  
ALL WEATHER  
CLASS  
CONDITION  
DEC  
MONTH  
ALL  
HOURS (L.S.T.)

| SPEED<br>(KNTS)<br>DIR. | 1 - 3 | 4 - 6 | 7 - 10 | 11 - 16 | 17 - 21 | 22 - 27 | 28 - 33 | 34 - 40 | 41 - 47 | 48 - 55 | ≥ 56 | %     | MEAN<br>WIND<br>SPEED |
|-------------------------|-------|-------|--------|---------|---------|---------|---------|---------|---------|---------|------|-------|-----------------------|
| N                       | .5    | .7    | 1.3    | 1.7     | .9      | 1.7     | .4      | .4      |         |         |      | 7.4   | 15.1                  |
| NNE                     | .8    | .8    | 1.3    | 1.8     | .9      | 1.2     | .8      | .7      |         |         |      | 8.1   | 16.4                  |
| NE                      | .4    | .7    | 2.0    | 1.9     | 1.6     | .9      | .5      | .4      | .1      |         |      | 8.4   | 15.8                  |
| ENE                     | .4    | .8    | 2.9    | 5.4     | 3.4     | 1.7     | .4      | .3      |         | .1      |      | 15.1  | 15.2                  |
| E                       | .3    | 1.5   | 1.7    | 2.8     | 1.4     | 1.3     | .6      | .4      | .2      |         |      | 10.0  | 15.6                  |
| ESE                     | .2    | .4    | 1.0    | 1.6     | 1.2     | 1.1     |         | .1      | .1      |         |      | 5.5   | 15.5                  |
| SE                      | .3    | .6    | 2.2    | 1.8     | .3      | .2      |         |         |         |         |      | 5.2   | 10.2                  |
| SSE                     | .4    | 1.1   | 1.2    | 1.8     | .2      | .1      |         |         |         |         |      | 4.6   | 9.7                   |
| S                       | .4    | .4    | .4     | .7      | .4      | .2      |         |         |         |         |      | 2.3   | 10.9                  |
| SSW                     | .4    | .8    | 1.6    | .6      | .3      | .1      |         | .1      | .1      |         |      | 3.8   | 10.3                  |
| SW                      | .6    | 1.2   | 1.9    | 2.0     | .9      | .3      | .2      |         |         |         |      | 7.0   | 11.2                  |
| WSW                     | .8    | .8    | 1.4    | 1.1     | .4      |         |         |         |         |         |      | 4.4   | 8.7                   |
| W                       | .5    | .8    | 1.0    | .8      | .1      |         |         |         |         |         |      | 3.2   | 8.0                   |
| WNW                     | .5    | .7    | .7     | 1.0     | .2      |         |         |         |         |         |      | 3.1   | 8.7                   |
| NW                      | .5    | 1.0   | 1.0    | 1.5     | .5      | .3      | .1      |         |         |         |      | 4.8   | 10.8                  |
| NNW                     | .7    | 1.0   | 1.4    | 2.1     | 1.0     | .8      | .3      |         |         |         |      | 7.1   | 12.7                  |
| VARBL                   |       |       |        |         |         |         |         |         |         |         |      |       |                       |
| CALM                    |       |       |        |         |         |         |         |         |         |         |      |       |                       |
|                         | 7.4   | 13.0  | 22.8   | 28.2    | 13.4    | 9.5     | 3.0     | 2.2     | .4      | .1      |      | 100.0 | 13.3                  |

TOTAL NUMBER OF OBSERVATIONS 1988

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

# SURFACE WINDS

## PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

STATION MAUI OPTICAL SITE HI NORTH TOWER YEARS 77-80

STATION NAME CLASS ALL WEATHER

CONDITION

ALL MONTH

ALL HOURS (L.S.T.)

| SPEED (KTS)<br>DIR. | 1-3 | 4-6  | 7-10 | 11-16 | 17-21 | 22-27 | 28-33 | 34-40 | 41-47 | 48-55 | ≥56 | %     | MEAN<br>WIND<br>SPEED |
|---------------------|-----|------|------|-------|-------|-------|-------|-------|-------|-------|-----|-------|-----------------------|
| N                   | .4  | .9   | 1.3  | 1.3   | .3    | .3    | .1    | .1    |       |       |     | 4.6   | 11.2                  |
| NNE                 | .4  | 1.3  | 1.9  | 1.5   | .4    | .2    | .1    | .1    |       |       |     | 5.9   | 10.7                  |
| NE                  | .3  | 1.2  | 3.8  | 4.1   | 1.5   | .5    | .1    | .0    | .0    |       |     | 11.7  | 11.9                  |
| ENE                 | .2  | 1.5  | 4.7  | 6.4   | 3.2   | 1.3   | .2    | .1    |       | .0    | .0  | 17.5  | 13.3                  |
| E                   | .3  | 1.0  | 2.3  | 3.7   | 2.3   | 1.7   | .5    | .2    | .0    | .0    |     | 11.9  | 15.1                  |
| ESE                 | .2  | .7   | 1.1  | 1.6   | 1.1   | .7    | .1    | .1    | .0    |       |     | 5.7   | 14.1                  |
| SE                  | .3  | .9   | 1.3  | 1.3   | .5    | .3    | .1    | .0    |       |       |     | 4.7   | 11.1                  |
| SSE                 | .3  | .8   | 1.0  | 1.0   | .3    | .2    | .1    | .1    | .0    |       |     | 3.8   | 11.0                  |
| S                   | .4  | .6   | .7   | .7    | .4    | .2    | .1    | .0    | .0    |       |     | 3.1   | 11.2                  |
| SSW                 | .4  | .8   | .8   | .6    | .4    | .3    | .1    | .1    | .0    | .0    |     | 3.4   | 11.7                  |
| SW                  | .5  | 1.0  | 1.3  | 1.4   | .9    | .5    | .3    | .1    | .0    |       |     | 6.2   | 13.0                  |
| WSW                 | .6  | .8   | .8   | .8    | .3    | .2    | .1    | .0    | .0    |       |     | 3.5   | 10.1                  |
| W                   | .8  | 1.1  | .8   | .6    | .2    | .1    | .0    | .0    |       |       |     | 3.6   | 8.0                   |
| WNW                 | .8  | 1.2  | 1.0  | .7    | .2    | .1    | .0    | .0    |       |       |     | 4.1   | 8.0                   |
| NW                  | .8  | 1.3  | 1.5  | 1.1   | .6    | .3    | .1    | .0    |       |       |     | 5.8   | 10.1                  |
| NNW                 | .5  | 1.0  | 1.3  | 1.2   | .4    | .2    | .0    |       |       |       |     | 4.6   | 9.9                   |
| VARBL               |     |      |      |       |       |       |       |       |       |       |     |       |                       |
| CALM                |     |      |      |       |       |       |       |       |       |       |     | .0    |                       |
|                     | 7.3 | 16.2 | 25.6 | 27.9  | 13.1  | 7.0   | 2.0   | .9    | .1    | .0    | .0  | 100.0 | 12.0                  |

TOTAL NUMBER OF OBSERVATIONS 16903

U S AIR FORCE  
ENVIRONMENTAL TECHNICAL  
APPLICATIONS CENTER

C PART E

PSYCHROMETRIC SUMMARIES

In this section are presented various summaries of dry- and wet-bulb temperatures, dew points, and relative humidity. The order and manner of presentations follows:

1. Cumulative percentage frequency of occurrence - derived from daily observations and presented by month and annual for all years combined. These tabulations provide the cumulative percentage frequency to tenths of temperature by 5-degree Fahrenheit increments, plus mean temperature, standard deviations, and total number of observations in three separate tables as follows:

- a. Daily maximum temperatures
- b. Daily minimum temperatures
- c. Daily mean temperatures

NOTE: Beginning in January 1964, daily maximum and minimum temperatures are routinely selected from hourly observations recorded on surface observing forms or from automated data collections for all Air Force operated stations. For those stations observing less than 24 hours per day, and where maximum and minimum temperatures are required but not recorded, these are also selected from hourly data from as early as January 1949 and later. Please refer to notations on summary pages and Station History for further information on reporting practices of individual stations.

2. Extreme values - derived from daily observations with the extreme value selected for each year and month of record available. An annual (ALL MONTHS) value is selected when all months for a year have valid extremes. Means and standard deviations are computed for months and annual when four or more values are present for any column. Two tables of daily extremes are prepared:

- a. Extreme maximum temperature
- b. Extreme minimum temperature

NOTE: The following symbols are used in the extreme data blocks:

- (1) \* indicates the extreme was selected from a month with one or more days missing.
- (2) # indicates the extreme was selected from a month in which hourly temperatures were available for less than 24 hours for at least one day in the month.

C  
VALUES FOR MEANS AND STANDARD DEVIATIONS DO NOT INCLUDE MEASUREMENTS FOR  
INCOMPLETE MONTHS

3. Bivariate percentage frequency distribution and computations of dry-bulb versus wet-bulb temperature. This tabulation is derived from hourly observations and is presented by month and annual, all hours and years combined. The following information is provided:

a. The main body of the summary consists of a bivariate percentage frequency distribution of wet-bulb depression in 17 classes spread horizontally; by 2-degree intervals of dry-bulb temperature spread vertically. Also provided for each of the dry-bulb intervals is the percentage of observations with dry-bulb and wet-bulb temperature combined; and again for dry-bulb, wet-bulb, and dew-point temperatures separately. Total observations for these four items is also provided in two lines at end of each tabulation table, which may be continued on several pages.

NOTE: A percentage frequency in this table of ".0" represents one or more occurrences amounting to less than .05 percent.

- b. Statistical data for the individual elements of relative humidity, dry-bulb, wet-bulb, and dew-point temperatures are shown in the section at the bottom left of the forms. These consist of the sum of squares ( $\Sigma X^2$ ), sums of values ( $\Sigma X$ ), means ( $\bar{X}$ ), and standard deviations ( $\sigma_x$ ). The number of observations used in the computation for each element is also shown.
- c. At the lower right of the form are given the mean number of hours of occurrence for six ranges of dry-bulb, wet-bulb, and dew-point temperatures, and total number of hours possible in the period represented. Mean number of hours is shown to tenths and indicates mean number of hours per year in the annual summary, or mean number of hours per month in the tabulation by month.

NOTE: Wet-bulb temperature usually was not reported prior to 1946. Relative humidity usually was not reported prior to 1949, nor subsequent to June 1958; and was computed by machine method for observations recorded during these periods. All values of dew-point temperature and relative humidity are with respect to water, unless otherwise indicated.

4. Means and standard deviations - These tabulations are derived from hourly observations and present the mean, standard deviation, and total number of observations for the eight standard 3-hour groups, by month and annual and again at the bottom for all hours combined. Records for all years combined are presented in the following three tables; DRY-BULB TEMPERATURE, WET-BULB TEMPERATURE, and DEW-POINT TEMPERATURE.
5. Cumulative percentage frequency of occurrence of relative humidity - This summary is derived from hourly observations and presents the cumulative percentage frequency of occurrence of relative humidity by increments of 10% classes, plus the mean relative humidity and total number of observations in two tables.
- a. Table 1 is prepared by month and annual, all years combined, with month being the vertical argument.
- b. Table 2 is prepared by month by standard 3-hour groups, with the hour groups being the vertical argument and a separate page for each month. All years are also combined for this summary.

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

# PSYCHROMETRIC SUMMARY

0001 MAUI OPTICAL SITE HI NORTH TOWER 78-80  
STATION STATION NAME YEARS

JAN  
MONTH

PAGE 1 0000-0200  
HOURS (L. S. T.)

| Temp.<br>(F) | WET BULB TEMPERATURE DEPRESSION (F) |     |     |     |     |            |       |       |       |       |           |       |       |       |       |            |      |          |          |           |          |  |  |  |  |                                    |        |        |        |        |        |       |    | TOTAL<br>D.B./W.B. | TOTAL |   |  |
|--------------|-------------------------------------|-----|-----|-----|-----|------------|-------|-------|-------|-------|-----------|-------|-------|-------|-------|------------|------|----------|----------|-----------|----------|--|--|--|--|------------------------------------|--------|--------|--------|--------|--------|-------|----|--------------------|-------|---|--|
|              | 0                                   | 1-2 | 3-4 | 5-6 | 7-8 | 9-10       | 11-12 | 13-14 | 15-16 | 17-18 | 19-20     | 21-22 | 23-24 | 25-26 | 27-28 | 29-30      | ≥ 31 | Dry Bulb | Wet Bulb | Dew Point |          |  |  |  |  |                                    |        |        |        |        |        |       |    |                    |       |   |  |
| 5 / 49       |                                     |     |     |     |     |            |       |       |       |       | 1.2       |       |       |       |       |            |      |          |          |           |          |  |  |  |  |                                    |        |        |        |        |        | 1     | 1  |                    |       |   |  |
| 48 / 47      |                                     |     |     |     |     |            |       |       |       | 1.2   |           |       |       |       |       |            |      |          |          |           |          |  |  |  |  |                                    |        |        |        |        |        | 1     | 1  |                    |       |   |  |
| 46 / 45      |                                     |     |     |     |     |            |       |       | 2.4   | 1.2   |           |       |       |       |       |            |      |          |          |           |          |  |  |  |  |                                    |        |        |        |        |        | 3     | 9  |                    |       |   |  |
| 44 / 43      |                                     | 3.7 |     |     |     |            |       | 1.2   | 2.4   | 6.1   | 1.2       |       |       |       |       |            |      |          |          |           |          |  |  |  |  |                                    |        |        |        |        |        | 12    | 12 |                    |       |   |  |
| 42 / 41      |                                     |     |     |     |     |            |       | 1.2   | 4.3   | 14.6  |           |       |       |       |       |            |      |          |          |           |          |  |  |  |  |                                    |        |        |        |        |        |       | 17 | 20                 | 3     | 2 |  |
| 4 / 39       |                                     |     | 1.2 | 1.2 | 1.2 | 1.2        | 3.7   | 9.8   | 1.2   |       |           |       |       |       |       |            |      |          |          |           |          |  |  |  |  |                                    |        |        |        |        |        |       | 16 | 16                 |       | 1 |  |
| 38 / 37      |                                     |     | 1.2 | 2.4 | 3.7 | 3.7        | 6.1   | 4.9   |       |       |           |       |       |       |       |            |      |          |          |           |          |  |  |  |  |                                    |        |        |        |        |        |       | 18 | 18                 |       |   |  |
| 36 / 35      |                                     |     | 1.2 |     | 3.7 |            | 2.4   | 1.2   |       |       |           |       |       |       |       |            |      |          |          |           |          |  |  |  |  |                                    |        |        |        |        |        |       | 7  | 7                  | 1     |   |  |
| 34 / 33      |                                     |     | 1.2 |     |     |            |       | 1.2   |       |       |           |       |       |       |       |            |      |          |          |           |          |  |  |  |  |                                    |        |        |        |        |        |       | 2  | 2                  | 5     |   |  |
| 32 / 31      | 1.2                                 | 1.2 |     |     |     |            |       |       |       |       |           |       |       |       |       |            |      |          |          |           |          |  |  |  |  |                                    |        |        |        |        |        |       | 3  | 3                  | 6     | 1 |  |
| 3 / 29       | 1.2                                 |     | 1.2 |     |     |            |       |       |       |       |           |       |       |       |       |            |      |          |          |           |          |  |  |  |  |                                    |        |        |        |        |        |       | 2  | 2                  | 13    | 4 |  |
| 28 / 27      |                                     |     |     |     |     |            |       |       |       |       |           |       |       |       |       |            |      |          |          |           |          |  |  |  |  |                                    |        |        |        |        |        |       |    |                    | 23    | 3 |  |
| 26 / 25      |                                     |     |     |     |     |            |       |       |       |       |           |       |       |       |       |            |      |          |          |           |          |  |  |  |  |                                    |        |        |        |        |        |       |    |                    | 25    | 2 |  |
| 24 / 23      |                                     |     |     |     |     |            |       |       |       |       |           |       |       |       |       |            |      |          |          |           |          |  |  |  |  |                                    |        |        |        |        |        |       |    |                    | 5     | 2 |  |
| 22 / 21      |                                     |     |     |     |     |            |       |       |       |       |           |       |       |       |       |            |      |          |          |           |          |  |  |  |  |                                    |        |        |        |        |        |       |    |                    |       | 1 |  |
| 20 / 19      |                                     |     |     |     |     |            |       |       |       |       |           |       |       |       |       |            |      |          |          |           |          |  |  |  |  |                                    |        |        |        |        |        |       |    |                    |       | 2 |  |
| 18 / 18      |                                     |     |     |     |     |            |       |       |       |       |           |       |       |       |       |            |      |          |          |           |          |  |  |  |  |                                    |        |        |        |        |        |       |    |                    |       | 6 |  |
| 16 / 15      |                                     |     |     |     |     |            |       |       |       |       |           |       |       |       |       |            |      |          |          |           |          |  |  |  |  |                                    |        |        |        |        |        |       |    |                    |       | 1 |  |
| 14 / 13      |                                     |     |     |     |     |            |       |       |       |       |           |       |       |       |       |            |      |          |          |           |          |  |  |  |  |                                    |        |        |        |        |        |       |    |                    |       | 4 |  |
| 12 / 11      |                                     |     |     |     |     |            |       |       |       |       |           |       |       |       |       |            |      |          |          |           |          |  |  |  |  |                                    |        |        |        |        |        |       |    |                    |       | 2 |  |
| 10 / 9       |                                     |     |     |     |     |            |       |       |       |       |           |       |       |       |       |            |      |          |          |           |          |  |  |  |  |                                    |        |        |        |        |        |       |    |                    |       | 2 |  |
| 8 / 7        |                                     |     |     |     |     |            |       |       |       |       |           |       |       |       |       |            |      |          |          |           |          |  |  |  |  |                                    |        |        |        |        |        |       |    |                    |       | 2 |  |
| 6 / 5        |                                     |     |     |     |     |            |       |       |       |       |           |       |       |       |       |            |      |          |          |           |          |  |  |  |  |                                    |        |        |        |        |        |       |    |                    |       | 1 |  |
| 4 / 3        |                                     |     |     |     |     |            |       |       |       |       |           |       |       |       |       |            |      |          |          |           |          |  |  |  |  |                                    |        |        |        |        |        |       |    |                    |       | 2 |  |
| 2 / 1        |                                     |     |     |     |     |            |       |       |       |       |           |       |       |       |       |            |      |          |          |           |          |  |  |  |  |                                    |        |        |        |        |        |       |    |                    |       | 2 |  |
| 0 / -1       |                                     |     |     |     |     |            |       |       |       |       |           |       |       |       |       |            |      |          |          |           |          |  |  |  |  |                                    |        |        |        |        |        |       |    |                    |       | 7 |  |
| -4 / -5      |                                     |     |     |     |     |            |       |       |       |       |           |       |       |       |       |            |      |          |          |           |          |  |  |  |  |                                    |        |        |        |        |        |       |    |                    |       | 6 |  |
| -6 / -7      |                                     |     |     |     |     |            |       |       |       |       |           |       |       |       |       |            |      |          |          |           |          |  |  |  |  |                                    |        |        |        |        |        |       |    |                    |       | 2 |  |
| -8 / -9      |                                     |     |     |     |     |            |       |       |       |       |           |       |       |       |       |            |      |          |          |           |          |  |  |  |  |                                    |        |        |        |        |        |       |    |                    |       | 5 |  |
| -10 / -11    |                                     |     |     |     |     |            |       |       |       |       |           |       |       |       |       |            |      |          |          |           |          |  |  |  |  |                                    |        |        |        |        |        |       |    |                    |       | 2 |  |
| -12 / -13    |                                     |     |     |     |     |            |       |       |       |       |           |       |       |       |       |            |      |          |          |           |          |  |  |  |  |                                    |        |        |        |        |        |       |    |                    |       | 4 |  |
| -14 / -15    |                                     |     |     |     |     |            |       |       |       |       |           |       |       |       |       |            |      |          |          |           |          |  |  |  |  |                                    |        |        |        |        |        |       |    |                    |       | 1 |  |
| -16 / -17    |                                     |     |     |     |     |            |       |       |       |       |           |       |       |       |       |            |      |          |          |           |          |  |  |  |  |                                    |        |        |        |        |        |       |    |                    |       | 4 |  |
| -18 / -23    |                                     |     |     |     |     |            |       |       |       |       |           |       |       |       |       |            |      |          |          |           |          |  |  |  |  |                                    |        |        |        |        |        |       |    |                    |       | 3 |  |
| -24 / -25    |                                     |     |     |     |     |            |       |       |       |       |           |       |       |       |       |            |      |          |          |           |          |  |  |  |  |                                    |        |        |        |        |        |       |    |                    |       | 2 |  |
| Element (X)  | $\Sigma X^2$                        |     |     |     |     | $\Sigma X$ |       |       |       |       | $\bar{X}$ |       |       |       |       | $\sigma_x$ |      |          |          |           | No. Obs. |  |  |  |  | Mean No. of Hours with Temperature |        |        |        |        |        |       |    |                    |       |   |  |
| Rel. Hum.    |                                     |     |     |     |     |            |       |       |       |       |           |       |       |       |       |            |      |          |          |           |          |  |  |  |  | ≤ 0 F                              | ≤ 32 F | ≥ 67 F | ≥ 73 F | ≥ 80 F | ≥ 93 F | Total |    |                    |       |   |  |
| Dry Bulb     |                                     |     |     |     |     |            |       |       |       |       |           |       |       |       |       |            |      |          |          |           |          |  |  |  |  |                                    |        |        |        |        |        |       |    |                    |       |   |  |
| Wet Bulb     |                                     |     |     |     |     |            |       |       |       |       |           |       |       |       |       |            |      |          |          |           |          |  |  |  |  |                                    |        |        |        |        |        |       |    |                    |       |   |  |
| Dew Point    |                                     |     |     |     |     |            |       |       |       |       |           |       |       |       |       |            |      |          |          |           |          |  |  |  |  |                                    |        |        |        |        |        |       |    |                    |       |   |  |



## PSYCHROMETRIC SUMMARY

JAN  
MONTH

PAGE 2 0000-0200  
HOURS (L. S. T.)

[illegible]

GLOBAL CLIMATOLOGY BRANCH  
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# PSYCHROMETRIC SUMMARY

0001 MAUI OPTICAL SITE HI NORTH TOWER 78-80

JAN  
MONTH

PAGE 1 0300-0500  
HOURS (L. S. Y.)

| Temp.<br>(F) | WET BULB TEMPERATURE DEPRESSION (F) |     |     |     |     |      |                |       |          |       |                                    |        |        |        |        |        |       |       |    |    |       | TOTAL<br>D.B./W.B. | TOTAL |  |  |
|--------------|-------------------------------------|-----|-----|-----|-----|------|----------------|-------|----------|-------|------------------------------------|--------|--------|--------|--------|--------|-------|-------|----|----|-------|--------------------|-------|--|--|
|              | 0                                   | 1-2 | 3-4 | 5-6 | 7-8 | 9-10 | 11-12          | 13-14 | 15-16    | 17-18 | 19-20                              | 21-22  | 23-24  | 25-26  | 27-28  | 29-30  | ≥ 31  | TOTAL |    |    | TOTAL |                    |       |  |  |
| 46/ 45       |                                     | 1.2 |     |     |     |      |                |       | 1.2      |       |                                    |        |        |        |        |        |       | 2     | 4  |    |       |                    |       |  |  |
| 44/ 43       |                                     | 1.2 |     |     |     |      | 1.2            | 1.2   | 1.2      | 1.2   |                                    |        |        |        |        |        |       | 5     | 10 | 2  | 1     |                    |       |  |  |
| 42/ 41       |                                     | 1.2 |     |     |     | 1.2  | 1.2            | 4.8   | 10.8     |       |                                    |        |        |        |        |        |       | 16    | 18 | 1  | 2     |                    |       |  |  |
| 40/ 39       |                                     |     |     | 2.4 |     | 3.6  | 4.8            | 9.6   | 4.8      |       |                                    |        |        |        |        |        |       | 21    | 21 |    |       |                    |       |  |  |
| 38/ 37       |                                     |     | 1.2 | 3.6 | 2.4 | 1.2  | 1.2            | 12.0  |          |       |                                    |        |        |        |        |        |       | 18    | 18 |    |       |                    |       |  |  |
| 36/ 35       |                                     |     | 2.4 |     | 3.6 | 2.4  | 2.4            | 1.2   |          |       |                                    |        |        |        |        |        |       | 10    | 10 | 1  |       |                    |       |  |  |
| 34/ 33       | 1.2                                 | 2.4 | 1.2 |     | 1.2 | 1.2  | 1.2            |       |          |       |                                    |        |        |        |        |        |       | 7     | 7  | 5  | 1     |                    |       |  |  |
| 32/ 31       |                                     |     |     | 1.2 |     |      | 1.2            |       |          |       |                                    |        |        |        |        |        |       | 2     | 2  | 7  |       |                    |       |  |  |
| 30/ 29       |                                     |     |     | 1.2 |     |      |                |       |          |       |                                    |        |        |        |        |        |       | 1     | 1  | 12 | 2     |                    |       |  |  |
| 28/ 27       |                                     |     |     |     |     |      |                |       |          |       |                                    |        |        |        |        |        |       |       |    | 17 | 4     |                    |       |  |  |
| 26/ 25       |                                     | 1.2 |     |     |     |      |                |       |          |       |                                    |        |        |        |        |        |       | 1     | 1  | 27 | 3     |                    |       |  |  |
| 24/ 23       |                                     |     |     |     |     |      |                |       |          |       |                                    |        |        |        |        |        |       |       |    | 9  | 2     |                    |       |  |  |
| 22/ 21       |                                     |     |     |     |     |      |                |       |          |       |                                    |        |        |        |        |        |       |       |    | 1  |       |                    |       |  |  |
| 20/ 19       |                                     |     |     |     |     |      |                |       |          |       |                                    |        |        |        |        |        |       |       |    | 1  | 3     |                    |       |  |  |
| 18/ 17       |                                     |     |     |     |     |      |                |       |          |       |                                    |        |        |        |        |        |       |       |    |    | 1     |                    |       |  |  |
| 16/ 15       |                                     |     |     |     |     |      |                |       |          |       |                                    |        |        |        |        |        |       |       |    |    | 5     |                    |       |  |  |
| 14/ 13       |                                     |     |     |     |     |      |                |       |          |       |                                    |        |        |        |        |        |       |       |    |    | 2     |                    |       |  |  |
| 12/ 11       |                                     |     |     |     |     |      |                |       |          |       |                                    |        |        |        |        |        |       |       |    |    | 6     |                    |       |  |  |
| 10/ 9        |                                     |     |     |     |     |      |                |       |          |       |                                    |        |        |        |        |        |       |       |    |    | 2     |                    |       |  |  |
| 8/ 7         |                                     |     |     |     |     |      |                |       |          |       |                                    |        |        |        |        |        |       |       |    |    | 2     |                    |       |  |  |
| 6/ 5         |                                     |     |     |     |     |      |                |       |          |       |                                    |        |        |        |        |        |       |       |    |    | 2     |                    |       |  |  |
| 4/ 3         |                                     |     |     |     |     |      |                |       |          |       |                                    |        |        |        |        |        |       |       |    |    | 3     |                    |       |  |  |
| 2/ 1         |                                     |     |     |     |     |      |                |       |          |       |                                    |        |        |        |        |        |       |       |    |    | 3     |                    |       |  |  |
| 0/ -1        |                                     |     |     |     |     |      |                |       |          |       |                                    |        |        |        |        |        |       |       |    |    | 2     |                    |       |  |  |
| -2/ -3       |                                     |     |     |     |     |      |                |       |          |       |                                    |        |        |        |        |        |       |       |    |    | 2     |                    |       |  |  |
| -4/ -5       |                                     |     |     |     |     |      |                |       |          |       |                                    |        |        |        |        |        |       |       |    |    | 1     |                    |       |  |  |
| -6/ -7       |                                     |     |     |     |     |      |                |       |          |       |                                    |        |        |        |        |        |       |       |    |    | 5     |                    |       |  |  |
| -8/ -9       |                                     |     |     |     |     |      |                |       |          |       |                                    |        |        |        |        |        |       |       |    |    | 5     |                    |       |  |  |
| -10/ -11     |                                     |     |     |     |     |      |                |       |          |       |                                    |        |        |        |        |        |       |       |    |    | 2     |                    |       |  |  |
| -12/ -13     |                                     |     |     |     |     |      |                |       |          |       |                                    |        |        |        |        |        |       |       |    |    | 5     |                    |       |  |  |
| -14/ -15     |                                     |     |     |     |     |      |                |       |          |       |                                    |        |        |        |        |        |       |       |    |    | 4     |                    |       |  |  |
| -16/ -17     |                                     |     |     |     |     |      |                |       |          |       |                                    |        |        |        |        |        |       |       |    |    | 2     |                    |       |  |  |
| -18/ -19     |                                     |     |     |     |     |      |                |       |          |       |                                    |        |        |        |        |        |       |       |    |    | 1     |                    |       |  |  |
| -20/ -21     |                                     |     |     |     |     |      |                |       |          |       |                                    |        |        |        |        |        |       |       |    |    | 2     |                    |       |  |  |
| Element (X)  | Σx'                                 |     | Σx  |     | Σ   |      | σ <sub>x</sub> |       | No. Obs. |       | Mean No. of Hours with Temperature |        |        |        |        |        | Total |       |    |    |       |                    |       |  |  |
| Rel. Hum.    |                                     |     |     |     |     |      |                |       |          |       | ≤ 0 F                              | ≤ 32 F | ≥ 67 F | ≥ 73 F | ≥ 80 F | ≥ 93 F |       |       |    |    |       |                    |       |  |  |
| Dry Bulb     |                                     |     |     |     |     |      |                |       |          |       |                                    |        |        |        |        |        |       |       |    |    |       |                    |       |  |  |
| Wet Bulb     |                                     |     |     |     |     |      |                |       |          |       |                                    |        |        |        |        |        |       |       |    |    |       |                    |       |  |  |
| Dew Point    |                                     |     |     |     |     |      |                |       |          |       |                                    |        |        |        |        |        |       |       |    |    |       |                    |       |  |  |

FORM 0-26-5 (OL A) REVISD PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE  
JUL 64

USAFETAC

## PSYCHROMETRIC SUMMARY

JAN  
MONTH

PAGE 2 0300-0500  
HOURS (L. S. T.)

[illegible]

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

# PSYCHROMETRIC SUMMARY

0001 MAUI OPTICAL SITE HI NORTH TOWER 78-80

YEARS

JAN  
MONTH

PAGE 1

0600-0800  
HOURS (L. S. T.)

| Temp.<br>(F) | WET BULB TEMPERATURE DEPRESSION (F) |     |     |     |     |      |       |       |       |       |       |       |       |       |       |       |      |          |          |           |   |  |  |  |  |   |  |  |  |  |   |  |  | TOTAL<br>D.B./W.B. | TOTAL |  |  |
|--------------|-------------------------------------|-----|-----|-----|-----|------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|------|----------|----------|-----------|---|--|--|--|--|---|--|--|--|--|---|--|--|--------------------|-------|--|--|
|              | 0                                   | 1-2 | 3-4 | 5-6 | 7-8 | 9-10 | 11-12 | 13-14 | 15-16 | 17-18 | 19-20 | 21-22 | 23-24 | 25-26 | 27-28 | 29-30 | ≥ 31 | Dry Bulb | Wet Bulb | Dew Point |   |  |  |  |  |   |  |  |  |  |   |  |  |                    |       |  |  |
| 49/ 47       |                                     |     |     |     |     |      |       |       |       |       |       |       |       |       |       |       |      |          |          |           |   |  |  |  |  |   |  |  |  |  |   |  |  |                    |       |  |  |
| 46/ 45       |                                     |     |     |     |     |      |       |       |       |       |       |       |       |       |       |       |      |          |          |           |   |  |  |  |  |   |  |  |  |  |   |  |  |                    |       |  |  |
| 44/ 43       |                                     | 3.7 |     |     | 1.2 |      |       |       | 6.1   | 1.2   |       |       |       |       |       |       |      |          |          |           |   |  |  |  |  |   |  |  |  |  |   |  |  |                    |       |  |  |
| 42/ 41       |                                     |     |     |     |     | 2.4  | 1.2   | 1.2   | 8.5   |       |       |       |       |       |       |       |      |          |          |           |   |  |  |  |  |   |  |  |  |  |   |  |  |                    |       |  |  |
| 4 / 39       |                                     | 1.2 |     | 1.2 | 2.4 | 3.7  | 6.1   | 8.5   | 3.7   |       |       |       |       |       |       |       |      |          |          |           |   |  |  |  |  |   |  |  |  |  |   |  |  |                    |       |  |  |
| 38/ 37       | 1.2                                 | 1.2 |     |     | 2.4 | 2.4  | 11.7  | 4.9   |       |       |       |       |       |       |       |       |      |          |          |           |   |  |  |  |  |   |  |  |  |  |   |  |  |                    |       |  |  |
| 36/ 35       |                                     |     |     |     | 2.4 | 4.9  | 4.9   | 1.2   |       |       |       |       |       |       |       |       |      |          |          |           |   |  |  |  |  |   |  |  |  |  |   |  |  |                    |       |  |  |
| 34/ 33       |                                     |     | 1.2 |     | 2.4 |      |       | 1.2   |       |       |       |       |       |       |       |       |      |          |          |           |   |  |  |  |  |   |  |  |  |  |   |  |  |                    |       |  |  |
| 32/ 31       |                                     | 1.2 |     |     | 1.2 |      |       |       |       |       |       |       |       |       |       |       |      |          |          |           |   |  |  |  |  |   |  |  |  |  |   |  |  |                    |       |  |  |
| 3 / 29       |                                     |     | 1.2 |     |     |      |       |       |       |       |       |       |       |       |       |       |      |          |          |           |   |  |  |  |  |   |  |  |  |  |   |  |  |                    |       |  |  |
| 28/ 27       |                                     |     |     |     |     |      |       |       |       |       |       |       |       |       |       |       |      |          |          |           |   |  |  |  |  |   |  |  |  |  |   |  |  |                    |       |  |  |
| 26/ 25       |                                     |     |     |     |     |      |       |       |       |       |       |       |       |       |       |       |      |          |          |           |   |  |  |  |  |   |  |  |  |  |   |  |  |                    |       |  |  |
| 24/ 23       |                                     | 1.2 | 1.2 |     |     |      |       |       |       |       |       |       |       |       |       |       |      |          |          |           |   |  |  |  |  |   |  |  |  |  |   |  |  |                    |       |  |  |
| 22/ 21       |                                     |     |     |     |     |      |       |       |       |       |       |       |       |       |       |       |      |          |          |           |   |  |  |  |  |   |  |  |  |  |   |  |  |                    |       |  |  |
| 2 / 19       |                                     |     |     |     |     |      |       |       |       |       |       |       |       |       |       |       |      |          |          |           |   |  |  |  |  |   |  |  |  |  |   |  |  |                    |       |  |  |
| 18/ 17       |                                     |     |     |     |     |      |       |       |       |       |       |       |       |       |       |       |      |          |          |           |   |  |  |  |  |   |  |  |  |  |   |  |  |                    |       |  |  |
| 16/ 15       |                                     |     |     |     |     |      |       |       |       |       |       |       |       |       |       |       |      |          |          |           |   |  |  |  |  |   |  |  |  |  |   |  |  |                    |       |  |  |
| 14/ 13       |                                     |     |     |     |     |      |       |       |       |       |       |       |       |       |       |       |      |          |          |           |   |  |  |  |  |   |  |  |  |  |   |  |  |                    |       |  |  |
| 12/ 11       |                                     |     |     |     |     |      |       |       |       |       |       |       |       |       |       |       |      |          |          |           |   |  |  |  |  |   |  |  |  |  |   |  |  |                    |       |  |  |
| 1 / 9        |                                     |     |     |     |     |      |       |       |       |       |       |       |       |       |       |       |      |          |          |           |   |  |  |  |  |   |  |  |  |  |   |  |  |                    |       |  |  |
| 8/ 7         |                                     |     |     |     |     |      |       |       |       |       |       |       |       |       |       |       |      |          |          |           |   |  |  |  |  |   |  |  |  |  |   |  |  |                    |       |  |  |
| 6/ 5         |                                     |     |     |     |     |      |       |       |       |       |       |       |       |       |       |       |      |          |          |           |   |  |  |  |  |   |  |  |  |  |   |  |  |                    |       |  |  |
| 4/ 3         |                                     |     |     |     |     |      |       |       |       |       |       |       |       |       |       |       |      |          |          |           |   |  |  |  |  |   |  |  |  |  |   |  |  |                    |       |  |  |
| 2/ 1         |                                     |     |     |     |     |      |       |       |       |       |       |       |       |       |       |       |      |          |          |           |   |  |  |  |  |   |  |  |  |  |   |  |  |                    |       |  |  |
| / -1         |                                     |     |     |     |     |      |       |       |       |       |       |       |       |       |       |       |      |          |          |           |   |  |  |  |  |   |  |  |  |  |   |  |  |                    |       |  |  |
| - / -3       |                                     |     |     |     |     |      |       |       |       |       |       |       |       |       |       |       |      |          |          |           |   |  |  |  |  |   |  |  |  |  |   |  |  |                    |       |  |  |
| -4/ -5       |                                     |     |     |     |     |      |       |       |       |       |       |       |       |       |       |       |      |          |          |           |   |  |  |  |  |   |  |  |  |  |   |  |  |                    |       |  |  |
| -6/ -7       |                                     |     |     |     |     |      |       |       |       |       |       |       |       |       |       |       |      |          |          |           |   |  |  |  |  |   |  |  |  |  |   |  |  |                    |       |  |  |
| -8/ -9       |                                     |     |     |     |     |      |       |       |       |       |       |       |       |       |       |       |      |          |          |           |   |  |  |  |  |   |  |  |  |  |   |  |  |                    |       |  |  |
| - / -11      |                                     |     |     |     |     |      |       |       |       |       |       |       |       |       |       |       |      |          |          |           |   |  |  |  |  |   |  |  |  |  |   |  |  |                    |       |  |  |
| -1 / -13     |                                     |     |     |     |     |      |       |       |       |       |       |       |       |       |       |       |      |          |          |           |   |  |  |  |  |   |  |  |  |  |   |  |  |                    |       |  |  |
| -3 / -15     |                                     |     |     |     |     |      |       |       |       |       |       |       |       |       |       |       |      |          |          |           |   |  |  |  |  |   |  |  |  |  |   |  |  |                    |       |  |  |
| -5 / -17     |                                     |     |     |     |     |      |       |       |       |       |       |       |       |       |       |       |      |          |          |           |   |  |  |  |  |   |  |  |  |  |   |  |  |                    |       |  |  |
| -7 / -19     |                                     |     |     |     |     |      |       |       |       |       |       |       |       |       |       |       |      |          |          |           |   |  |  |  |  |   |  |  |  |  |   |  |  |                    |       |  |  |
| Element (X)  | Σ X <sup>2</sup>                    |     |     |     |     | Σ X  |       |       |       |       | Σ     |       |       |       |       | Σ     |      |          |          |           | Σ |  |  |  |  | Σ |  |  |  |  | Σ |  |  |                    |       |  |  |
| Rel. Hum.    |                                     |     |     |     |     |      |       |       |       |       |       |       |       |       |       |       |      |          |          |           |   |  |  |  |  |   |  |  |  |  |   |  |  |                    |       |  |  |
| Dry Bulb     |                                     |     |     |     |     |      |       |       |       |       |       |       |       |       |       |       |      |          |          |           |   |  |  |  |  |   |  |  |  |  |   |  |  |                    |       |  |  |
| Wet Bulb     |                                     |     |     |     |     |      |       |       |       |       |       |       |       |       |       |       |      |          |          |           |   |  |  |  |  |   |  |  |  |  |   |  |  |                    |       |  |  |
| Dew Point    |                                     |     |     |     |     |      |       |       |       |       |       |       |       |       |       |       |      |          |          |           |   |  |  |  |  |   |  |  |  |  |   |  |  |                    |       |  |  |

USAFETAC FORM 44 JUL 64 0-26-5 (OLA) REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

## PSYCHROMETRIC SUMMARY

YEARS

PAGE 2

| Temp.<br>(F) | WET BULB TEMPERATURE DEPRESSION (F) |                |      |                |          |       |       |        |       |        |       |        |                                    |        |       |        |      |           |          |          |           |    |  |  |  |  |  | TOTAL | TOTAL |  |  |
|--------------|-------------------------------------|----------------|------|----------------|----------|-------|-------|--------|-------|--------|-------|--------|------------------------------------|--------|-------|--------|------|-----------|----------|----------|-----------|----|--|--|--|--|--|-------|-------|--|--|
|              | 0                                   | 1-2            | 3-4  | 5-6            | 7-8      | 9-10  | 11-12 | 13-14  | 15-16 | 17-18  | 19-20 | 21-22  | 23-24                              | 25-26  | 27-28 | 29-30  | = 31 | D.B./W.B. | Dry Bulb | Wet Bulb | Dew Point |    |  |  |  |  |  |       |       |  |  |
| -20/-21      |                                     |                |      |                |          |       |       |        |       |        |       |        |                                    |        |       |        |      |           |          |          |           | 1  |  |  |  |  |  |       |       |  |  |
| -22/-23      |                                     |                |      |                |          |       |       |        |       |        |       |        |                                    |        |       |        |      |           |          |          |           | 1  |  |  |  |  |  |       |       |  |  |
| -24/-25      |                                     |                |      |                |          |       |       |        |       |        |       |        |                                    |        |       |        |      |           |          |          |           | 1  |  |  |  |  |  |       |       |  |  |
| -26/-27      |                                     |                |      |                |          |       |       |        |       |        |       |        |                                    |        |       |        |      |           |          |          |           | 1  |  |  |  |  |  |       |       |  |  |
| -28/-29      |                                     |                |      |                |          |       |       |        |       |        |       |        |                                    |        |       |        |      |           |          |          |           | 1  |  |  |  |  |  |       |       |  |  |
| -30/-31      |                                     |                |      |                |          |       |       |        |       |        |       |        |                                    |        |       |        |      |           |          |          |           | 1  |  |  |  |  |  |       |       |  |  |
| -32/-33      |                                     |                |      |                |          |       |       |        |       |        |       |        |                                    |        |       |        |      |           |          |          |           | 1  |  |  |  |  |  |       |       |  |  |
| -34/-35      |                                     |                |      |                |          |       |       |        |       |        |       |        |                                    |        |       |        |      |           |          |          |           | 1  |  |  |  |  |  |       |       |  |  |
| -36/-37      |                                     |                |      |                |          |       |       |        |       |        |       |        |                                    |        |       |        |      |           |          |          |           | 1  |  |  |  |  |  |       |       |  |  |
| TOTAL        | .2                                  | 9.5            | 3.7  | 1.2            | 12.2     | 13.4  | 23.2  | 17.1   | 18.3  | 1.2    |       |        |                                    |        |       |        |      |           |          | 91       |           | 82 |  |  |  |  |  |       |       |  |  |
|              |                                     |                |      |                |          |       |       |        |       |        |       |        |                                    |        |       |        |      |           |          | 82       |           |    |  |  |  |  |  |       |       |  |  |
| Element (X)  | Z <sub>X</sub> <sup>2</sup>         | Z <sub>X</sub> | X̄   | s <sub>x</sub> | No. Obs. |       |       |        |       |        |       |        | Mean No. of Hours with Temperature |        |       |        |      |           |          |          |           |    |  |  |  |  |  |       |       |  |  |
| Rel. Hum.    | 1265.78                             | 2496           | 39.4 | 25.024         | 82       | ≤ 0 F |       | ≤ 32 F |       | ≥ 67 F |       | ≥ 73 F |                                    | ≥ 80 F |       | ≥ 93 F |      | Total     |          |          |           |    |  |  |  |  |  |       |       |  |  |
| Dry Bulb     | 14.116                              | 355.9          | 39.7 | 4.252          | 91       |       |       | 5.1    |       |        |       |        |                                    |        |       |        |      | 93        |          |          |           |    |  |  |  |  |  |       |       |  |  |
| Wet Bulb     | 653.4                               | 2286           | 27.9 | 4.439          | 82       |       |       | 81.7   |       |        |       |        |                                    |        |       |        |      | 93        |          |          |           |    |  |  |  |  |  |       |       |  |  |
| Dew Point    | 23593                               | 251            | 3.1  | 18.534         | 82       | 39.7  |       | 56.2   |       |        |       |        |                                    |        |       |        |      | 93        |          |          |           |    |  |  |  |  |  |       |       |  |  |

## PSYCHROMETRIC SUMMARY

|         |                                  |       |
|---------|----------------------------------|-------|
| 0001    | MAUI OPTICAL SITE HI NORTH TOWER | 78-80 |
| STATION | STATION NAME                     |       |

**YEARS**

JAN  
MONTH

PAGE 1 0900-1100  
HOURS (L. S. T.)

| Temp.<br>(F) | WET BULB TEMPERATURE DEPRESSION (F) |     |     |     |     |      |       |       |       |                |       |       |          |       |       |                                    |        |           | TOTAL    | TOTAL    |           |       |
|--------------|-------------------------------------|-----|-----|-----|-----|------|-------|-------|-------|----------------|-------|-------|----------|-------|-------|------------------------------------|--------|-----------|----------|----------|-----------|-------|
|              | 0                                   | 1-2 | 3-4 | 5-6 | 7-8 | 9-10 | 11-12 | 13-14 | 15-16 | 17-18          | 19-20 | 21-22 | 23-24    | 25-26 | 27-28 | 29-30                              | ≥ 31   | D.B./W.B. | Dry Bulb | Wet Bulb | Dew Point |       |
| 4 / 53       |                                     |     |     |     |     |      |       | 1.2   |       |                |       |       |          |       |       |                                    |        |           | 1        | 1        |           |       |
| 2 / 51       |                                     |     |     |     |     |      |       |       |       | 1.2            | 1.2   |       |          |       |       |                                    |        |           | 2        | 2        |           |       |
| 60 / 49      |                                     |     |     |     |     | 1.2  |       |       |       | 2.4            | 1.2   |       |          |       |       |                                    |        |           | 4        | 4        |           |       |
| 42 / 47      |                                     |     |     |     | 1.2 |      |       |       | 4.8   | 3.6            |       |       |          |       |       |                                    |        |           | 8        | 12       |           |       |
| 45 / 45      |                                     | 1.2 |     |     |     |      |       | 3.6   | 2.4   | 1.2            |       |       |          |       |       |                                    |        |           | 7        | 9        | 1         | 1     |
| 44 / 43      |                                     |     |     |     | 1.2 | 1.2  | 1.2   | 2.4   | 4.8   |                |       |       |          |       |       |                                    |        |           | 9        | 9        |           |       |
| 42 / 41      |                                     | 2.4 |     |     |     | 3.6  | 2.4   | 4.8   | 2.4   |                |       |       |          |       |       |                                    |        |           | 13       | 13       | 1         |       |
| 40 / 39      |                                     | 2.4 |     | 3.6 |     | 9.6  | 2.4   | 1.2   | 2.4   |                |       |       |          |       |       |                                    |        |           | 18       | 18       | 5         |       |
| 38 / 37      |                                     | 1.2 | 2.4 |     | 2.4 | 1.2  | 2.4   |       |       |                |       |       |          |       |       |                                    |        |           | 8        | 8        | 3         | 4     |
| 36 / 35      |                                     | 3.6 | 3.6 | 1.2 | 1.2 |      | 1.2   |       |       |                |       |       |          |       |       |                                    |        |           | 9        | 9        | 2         | 1     |
| 34 / 33      |                                     |     |     |     |     |      |       |       |       |                |       |       |          |       |       |                                    |        |           |          |          | 10        |       |
| 32 / 31      |                                     |     |     |     |     |      |       |       |       |                |       |       |          |       |       |                                    |        |           |          |          | 20        | 4     |
| 30 / 29      | 2.4                                 |     | 1.2 |     |     |      |       |       |       |                |       |       |          |       |       |                                    |        |           | 3        | 3        | 19        | 8     |
| 28 / 27      | 1.2                                 |     |     |     |     |      |       |       |       |                |       |       |          |       |       |                                    |        |           | 1        | 1        | 15        | 2     |
| 26 / 25      |                                     |     |     |     |     |      |       |       |       |                |       |       |          |       |       |                                    |        |           |          |          | 7         | 4     |
| 24 / 23      |                                     |     |     |     |     |      |       |       |       |                |       |       |          |       |       |                                    |        |           |          |          |           | 1     |
| 22 / 21      |                                     |     |     |     |     |      |       |       |       |                |       |       |          |       |       |                                    |        |           |          |          |           | 2     |
| 20 / 19      |                                     |     |     |     |     |      |       |       |       |                |       |       |          |       |       |                                    |        |           |          |          |           | 4     |
| 18 / 17      |                                     |     |     |     |     |      |       |       |       |                |       |       |          |       |       |                                    |        |           |          |          |           | 1     |
| 16 / 15      |                                     |     |     |     |     |      |       |       |       |                |       |       |          |       |       |                                    |        |           |          |          |           | 3     |
| 14 / 13      |                                     |     |     |     |     |      |       |       |       |                |       |       |          |       |       |                                    |        |           |          |          |           | 2     |
| 12 / 11      |                                     |     |     |     |     |      |       |       |       |                |       |       |          |       |       |                                    |        |           |          |          |           | 6     |
| 10 / 9       |                                     |     |     |     |     |      |       |       |       |                |       |       |          |       |       |                                    |        |           |          |          |           | 4     |
| 8 / 7        |                                     |     |     |     |     |      |       |       |       |                |       |       |          |       |       |                                    |        |           |          |          |           | 2     |
| 6 / 5        |                                     |     |     |     |     |      |       |       |       |                |       |       |          |       |       |                                    |        |           |          |          |           | 1     |
| 4 / 3        |                                     |     |     |     |     |      |       |       |       |                |       |       |          |       |       |                                    |        |           |          |          |           | 4     |
| 2 / 1        |                                     |     |     |     |     |      |       |       |       |                |       |       |          |       |       |                                    |        |           |          |          |           | 5     |
| 0 / -1       |                                     |     |     |     |     |      |       |       |       |                |       |       |          |       |       |                                    |        |           |          |          |           | 6     |
| -2 / -3      |                                     |     |     |     |     |      |       |       |       |                |       |       |          |       |       |                                    |        |           |          |          |           | 3     |
| -4 / -5      |                                     |     |     |     |     |      |       |       |       |                |       |       |          |       |       |                                    |        |           |          |          |           | 2     |
| -6 / -7      |                                     |     |     |     |     |      |       |       |       |                |       |       |          |       |       |                                    |        |           |          |          |           | 2     |
| -8 / -9      |                                     |     |     |     |     |      |       |       |       |                |       |       |          |       |       |                                    |        |           |          |          |           | 3     |
| -10 / -11    |                                     |     |     |     |     |      |       |       |       |                |       |       |          |       |       |                                    |        |           |          |          |           | 5     |
| -12 / -15    |                                     |     |     |     |     |      |       |       |       |                |       |       |          |       |       |                                    |        |           |          |          |           | 2     |
| Element (X)  | Σ X <sup>2</sup>                    |     |     | Σ X |     |      | X̄    |       |       | σ <sub>x</sub> |       |       | No. Obs. |       |       | Mean No. of Hours with Temperature |        |           |          |          |           |       |
| Ref. Num.    |                                     |     |     |     |     |      |       |       |       |                |       |       |          |       |       | ≤ 0 F                              | ≤ 32 F | ≥ 67 F    | ≥ 73 F   | ≥ 80 F   | ≥ 93 F    | Total |
| Dry Bulb     |                                     |     |     |     |     |      |       |       |       |                |       |       |          |       |       |                                    |        |           |          |          |           |       |
| Wet Bulb     |                                     |     |     |     |     |      |       |       |       |                |       |       |          |       |       |                                    |        |           |          |          |           |       |
| Dew Point    |                                     |     |     |     |     |      |       |       |       |                |       |       |          |       |       |                                    |        |           |          |          |           |       |

## PSYCHROMETRIC SUMMARY

JAN  
MONTH

PAGE 2 0900-1100  
HOURS (L. S. T.)

| Temp.<br>(F) | WET BULB TEMPERATURE DEPRESSION (F) |      |            |     |           |        |          |                                    |        |        |        |        |        |       |       |       |      |           |          |          | TOTAL     | TOTAL |  |  |
|--------------|-------------------------------------|------|------------|-----|-----------|--------|----------|------------------------------------|--------|--------|--------|--------|--------|-------|-------|-------|------|-----------|----------|----------|-----------|-------|--|--|
|              | 0                                   | 1-2  | 3-4        | 5-6 | 7-8       | 9-10   | 11-12    | 13-14                              | 15-16  | 17-18  | 19-20  | 21-22  | 23-24  | 25-26 | 27-28 | 29-30 | ≥ 31 | D.B./W.B. | Dry Bulb | Wet Bulb | Dew Point |       |  |  |
| -24/-25      |                                     |      |            |     |           |        |          |                                    |        |        |        |        |        |       |       |       |      |           |          |          | 1         |       |  |  |
| TOTAL        | 3.6                                 | 10.8 | 7.2        | 4.8 | 6.0       | 16.9   | 9.6      | 13.3                               | 16.9   | 8.4    | 2.4    |        |        |       |       |       |      |           |          | 89       | 83        |       |  |  |
|              |                                     |      |            |     |           |        |          |                                    |        |        |        |        |        |       |       |       |      | 83        |          | 83       |           |       |  |  |
| Element (X)  | $\Sigma x^2$                        |      | $\Sigma x$ |     | $\bar{x}$ | $s_x$  | No. Obs. | Mean No. of Hours with Temperature |        |        |        |        |        | Total |       |       |      |           |          |          |           |       |  |  |
| Rel. Hum.    | 189489                              |      | 3199       |     | 38.5      | 28.412 | 83       | ≤ 0 F                              | ≤ 32 F | ≥ 67 F | ≥ 73 F | ≥ 80 F | ≥ 93 F | Total |       |       |      |           |          |          |           |       |  |  |
| Dry Bulb     | 158742                              |      | 3722       |     | 41.8      | 5.208  | 89       |                                    | 4.2    |        |        |        |        | 93    |       |       |      |           |          |          |           |       |  |  |
| Wet Bulb     | 82222                               |      | 2592       |     | 31.2      | 3.946  | 83       |                                    | 68.3   |        |        |        |        | 93    |       |       |      |           |          |          |           |       |  |  |
| Dew Point    | 31538                               |      | 983        |     | 11.8      | 15.604 | 83       | 26.9                               | 86.3   |        |        |        |        | 93    |       |       |      |           |          |          |           |       |  |  |

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

# PSYCHROMETRIC SUMMARY

0001 MAUI OPTICAL SITE HI NORTH TOWER 78-80

STATION

STATION NAME

YEARS

JAN  
MONTH

PAGE 1 1200-1400  
HOURS (L. S. T.)

| Temp.<br>(F) | WET BULB TEMPERATURE DEPRESSION (F) |     |            |     |           |      |            |       |          |       |                                    |        |        |        |        |        |      |          |          |           |  |  |  |  |  |  |  |  |  |  |  |  |  | TOTAL<br>D.B./W.B. | TOTAL |   |    |   |
|--------------|-------------------------------------|-----|------------|-----|-----------|------|------------|-------|----------|-------|------------------------------------|--------|--------|--------|--------|--------|------|----------|----------|-----------|--|--|--|--|--|--|--|--|--|--|--|--|--|--------------------|-------|---|----|---|
|              | 0                                   | 1-2 | 3-4        | 5-6 | 7-8       | 9-10 | 11-12      | 13-14 | 15-16    | 17-18 | 19-20                              | 21-22  | 23-24  | 25-26  | 27-28  | 29-30  | ≥ 31 | Dry Bulb | Wet Bulb | Dew Point |  |  |  |  |  |  |  |  |  |  |  |  |  |                    |       |   |    |   |
| 4/ 53        |                                     |     |            |     |           |      |            |       | 1.2      | 1.2   |                                    |        |        |        |        |        |      |          |          |           |  |  |  |  |  |  |  |  |  |  |  |  |  | 2                  | 2     |   |    |   |
| 52/ 51       |                                     |     |            |     |           |      | 1.2        |       | 1.2      | 3.7   | 4.9                                |        |        |        |        |        |      |          |          |           |  |  |  |  |  |  |  |  |  |  |  |  |  | 9                  | 9     |   |    |   |
| 5/ 49        |                                     |     |            |     |           | 1.2  | 1.2        | 1.2   | 3.7      | 2.4   |                                    |        |        |        |        |        |      |          |          |           |  |  |  |  |  |  |  |  |  |  |  |  |  | 8                  | 9     |   |    |   |
| 40/ 47       |                                     |     |            |     | 1.2       |      | 1.2        |       | 3.7      | 2.4   |                                    |        |        |        |        |        |      |          |          |           |  |  |  |  |  |  |  |  |  |  |  |  |  | 7                  | 9     |   |    |   |
| 46/ 45       |                                     |     | 1.2        |     |           | 1.2  | 2.4        | 3.7   | 8.9      | 1.2   |                                    |        |        |        |        |        |      |          |          |           |  |  |  |  |  |  |  |  |  |  |  |  |  | 15                 | 18    |   |    |   |
| 44/ 43       |                                     |     |            |     | 2.4       | 1.2  |            |       | 1.2      |       |                                    |        |        |        |        |        |      |          |          |           |  |  |  |  |  |  |  |  |  |  |  |  |  | 4                  | 4     |   |    |   |
| 42/ 41       |                                     | 3.7 |            |     | 2.4       | 3.7  | 2.4        | 2.4   | 1.2      |       |                                    |        |        |        |        |        |      |          |          |           |  |  |  |  |  |  |  |  |  |  |  |  |  | 13                 | 13    | 3 | 1  |   |
| 41/ 39       |                                     |     |            |     | 2.4       | 4.9  |            |       |          |       |                                    |        |        |        |        |        |      |          |          |           |  |  |  |  |  |  |  |  |  |  |  |  |  | 6                  | 6     | 4 | 1  |   |
| 35/ 37       | 1.2                                 | 2.4 |            | 1.2 | 2.4       | 2.4  |            |       |          |       |                                    |        |        |        |        |        |      |          |          |           |  |  |  |  |  |  |  |  |  |  |  |  |  | 8                  | 8     | 5 | 2  |   |
| 30/ 35       |                                     |     | 2.4        | 1.2 |           | 1.2  |            |       |          |       |                                    |        |        |        |        |        |      |          |          |           |  |  |  |  |  |  |  |  |  |  |  |  |  | 4                  | 4     | 8 | 2  |   |
| 34/ 33       |                                     | 1.2 |            |     |           |      |            |       |          |       |                                    |        |        |        |        |        |      |          |          |           |  |  |  |  |  |  |  |  |  |  |  |  |  |                    | 1     | 1 | 18 | 2 |
| 32/ 31       |                                     | 1.2 |            |     |           |      |            |       |          |       |                                    |        |        |        |        |        |      |          |          |           |  |  |  |  |  |  |  |  |  |  |  |  |  |                    | 1     | 1 | 18 | 2 |
| 29/ 29       |                                     |     |            |     |           |      |            |       |          |       |                                    |        |        |        |        |        |      |          |          |           |  |  |  |  |  |  |  |  |  |  |  |  |  |                    |       |   |    |   |
| 28/ 27       |                                     |     | 3.7        |     |           | 1.2  |            |       |          |       |                                    |        |        |        |        |        |      |          |          |           |  |  |  |  |  |  |  |  |  |  |  |  |  | 4                  | 4     | 3 | 2  |   |
| 25/ 25       |                                     |     |            |     |           |      |            |       |          |       |                                    |        |        |        |        |        |      |          |          |           |  |  |  |  |  |  |  |  |  |  |  |  |  |                    |       |   |    |   |
| 24/ 23       |                                     |     |            |     |           |      |            |       |          |       |                                    |        |        |        |        |        |      |          |          |           |  |  |  |  |  |  |  |  |  |  |  |  |  |                    |       |   |    |   |
| 22/ 21       |                                     |     |            |     |           |      |            |       |          |       |                                    |        |        |        |        |        |      |          |          |           |  |  |  |  |  |  |  |  |  |  |  |  |  |                    |       |   |    |   |
| 21/ 19       |                                     |     |            |     |           |      |            |       |          |       |                                    |        |        |        |        |        |      |          |          |           |  |  |  |  |  |  |  |  |  |  |  |  |  |                    |       |   |    |   |
| 19/ 17       |                                     |     |            |     |           |      |            |       |          |       |                                    |        |        |        |        |        |      |          |          |           |  |  |  |  |  |  |  |  |  |  |  |  |  |                    |       |   |    |   |
| 18/ 15       |                                     |     |            |     |           |      |            |       |          |       |                                    |        |        |        |        |        |      |          |          |           |  |  |  |  |  |  |  |  |  |  |  |  |  |                    |       |   |    |   |
| 14/ 12       |                                     |     |            |     |           |      |            |       |          |       |                                    |        |        |        |        |        |      |          |          |           |  |  |  |  |  |  |  |  |  |  |  |  |  |                    |       |   |    |   |
| 12/ 11       |                                     |     |            |     |           |      |            |       |          |       |                                    |        |        |        |        |        |      |          |          |           |  |  |  |  |  |  |  |  |  |  |  |  |  |                    |       |   |    |   |
| 11/ 9        |                                     |     |            |     |           |      |            |       |          |       |                                    |        |        |        |        |        |      |          |          |           |  |  |  |  |  |  |  |  |  |  |  |  |  |                    |       |   |    |   |
| 8/ 7         |                                     |     |            |     |           |      |            |       |          |       |                                    |        |        |        |        |        |      |          |          |           |  |  |  |  |  |  |  |  |  |  |  |  |  |                    |       |   |    |   |
| 6/ 5         |                                     |     |            |     |           |      |            |       |          |       |                                    |        |        |        |        |        |      |          |          |           |  |  |  |  |  |  |  |  |  |  |  |  |  |                    |       |   |    |   |
| 4/ 3         |                                     |     |            |     |           |      |            |       |          |       |                                    |        |        |        |        |        |      |          |          |           |  |  |  |  |  |  |  |  |  |  |  |  |  |                    |       |   |    |   |
| 2/ 1         |                                     |     |            |     |           |      |            |       |          |       |                                    |        |        |        |        |        |      |          |          |           |  |  |  |  |  |  |  |  |  |  |  |  |  |                    |       |   |    |   |
| 1/ -1        |                                     |     |            |     |           |      |            |       |          |       |                                    |        |        |        |        |        |      |          |          |           |  |  |  |  |  |  |  |  |  |  |  |  |  |                    |       |   |    |   |
| -2/ -3       |                                     |     |            |     |           |      |            |       |          |       |                                    |        |        |        |        |        |      |          |          |           |  |  |  |  |  |  |  |  |  |  |  |  |  |                    |       |   |    |   |
| -4/ -5       |                                     |     |            |     |           |      |            |       |          |       |                                    |        |        |        |        |        |      |          |          |           |  |  |  |  |  |  |  |  |  |  |  |  |  |                    |       |   |    |   |
| -6/ -7       |                                     |     |            |     |           |      |            |       |          |       |                                    |        |        |        |        |        |      |          |          |           |  |  |  |  |  |  |  |  |  |  |  |  |  |                    |       |   |    |   |
| -8/ -9       |                                     |     |            |     |           |      |            |       |          |       |                                    |        |        |        |        |        |      |          |          |           |  |  |  |  |  |  |  |  |  |  |  |  |  |                    |       |   |    |   |
| -10/ -11     |                                     |     |            |     |           |      |            |       |          |       |                                    |        |        |        |        |        |      |          |          |           |  |  |  |  |  |  |  |  |  |  |  |  |  |                    |       |   |    |   |
| Element (X)  | $\Sigma X^2$                        |     | $\Sigma X$ |     | $\bar{X}$ |      | $\sigma^2$ |       | No. Obs. |       | Mean No. of Hours with Temperature |        |        |        |        |        |      | Total    |          |           |  |  |  |  |  |  |  |  |  |  |  |  |  |                    |       |   |    |   |
| Rel. Hum.    |                                     |     |            |     |           |      |            |       |          |       | ≤ 0 F                              | ≤ 32 F | ≥ 67 F | ≥ 73 F | ≥ 80 F | ≥ 93 F |      |          |          |           |  |  |  |  |  |  |  |  |  |  |  |  |  |                    |       |   |    |   |
| Dry Bulb     |                                     |     |            |     |           |      |            |       |          |       |                                    |        |        |        |        |        |      |          |          |           |  |  |  |  |  |  |  |  |  |  |  |  |  |                    |       |   |    |   |
| Wet Bulb     |                                     |     |            |     |           |      |            |       |          |       |                                    |        |        |        |        |        |      |          |          |           |  |  |  |  |  |  |  |  |  |  |  |  |  |                    |       |   |    |   |
| Dew Point    |                                     |     |            |     |           |      |            |       |          |       |                                    |        |        |        |        |        |      |          |          |           |  |  |  |  |  |  |  |  |  |  |  |  |  |                    |       |   |    |   |

USAFETAC FORM 0-26-5 (OL A) JAN 64

REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE



## PSYCHROMETRIC SUMMARY

JAN  
MONTH

PAGE 2 1200-1400  
HOURS (L. S. T.)

[illegible]

## PSYCHROMETRIC SUMMARY

|         |                                  |       |
|---------|----------------------------------|-------|
| 0001    | MAUI OPTICAL SITE HI NORTH TOWER | 78-80 |
| STATION | STATION NAME                     |       |

**YEARS**

JAN  
MONTH

PAGE 1 1500-1700  
HOURS (L. S. T.)

## PSYCHROMETRIC SUMMARY

JAN  
MONTH

PAGE 2 1500-1700  
HOURS (L. S. T.)

[illegible]

## PSYCHROMETRIC SUMMARY

JAN  
MONTH

PAGE 1 1800-2000  
HOURS (L. S. T.)

0-26-5 (OLA)

USAFETAC FORM 4-74

## PSYCHROMETRIC SUMMARY

PAGE 2 JAN MONTH 1800-2000 HOURS (L. S. T.)

[illegible]

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

# PSYCHROMETRIC SUMMARY

0001 MAUI OPTICAL SITE HI NORTH TOWER 78-80

YEARS

JAN  
MONTH

PAGE 1 2100-2300  
HOURS (L. S. T.)

| Temp.<br>(F) | WET BULB TEMPERATURE DEPRESSION (F) |     |     |     |          |                                    |        |        |        |        |        |       |       |       |       |       |      |          |          |           |   | TOTAL<br>D.B./W.B. | TOTAL |  |  |
|--------------|-------------------------------------|-----|-----|-----|----------|------------------------------------|--------|--------|--------|--------|--------|-------|-------|-------|-------|-------|------|----------|----------|-----------|---|--------------------|-------|--|--|
|              | 0                                   | 1-2 | 3-4 | 5-6 | 7-8      | 9-10                               | 11-12  | 13-14  | 15-16  | 17-18  | 19-20  | 21-22 | 23-24 | 25-26 | 27-28 | 29-30 | ≥ 31 | Dry Bulb | Wet Bulb | Dew Point |   |                    |       |  |  |
| 5 / 40       |                                     |     |     |     |          |                                    |        |        |        | 1.2    |        |       |       |       |       |       |      | 1        | 1        |           |   |                    |       |  |  |
| 42 / 47      |                                     |     |     |     |          |                                    |        |        |        | 2.4    |        |       |       |       |       |       |      | 2        | 5        |           |   |                    |       |  |  |
| 46 / 45      |                                     |     |     |     |          |                                    |        |        | 3.6    | 2.4    |        |       |       |       |       |       |      | 5        | 5        |           |   |                    |       |  |  |
| 44 / 43      |                                     | 1.2 |     | 1.2 |          |                                    | 1.2    | 1.2    | 8.3    | 3.6    |        |       |       |       |       |       |      | 14       | 16       |           |   |                    |       |  |  |
| 42 / 41      |                                     |     | 1.2 |     |          |                                    | 1.2    | 3.6    | 7.1    |        |        |       |       |       |       |       |      | 11       | 12       | 1         |   |                    |       |  |  |
| 4 / 39       |                                     |     | 1.2 | 1.2 |          | 2.4                                | 2.4    | 14.3   | 3.6    |        |        |       |       |       |       |       |      | 21       | 21       |           | 1 |                    |       |  |  |
| 38 / 37      |                                     |     |     | 2.4 |          |                                    | 6.3    | 1.2    |        |        |        |       |       |       |       |       |      | 8        | 8        | 2         |   |                    |       |  |  |
| 36 / 35      |                                     | 3.6 |     | 1.2 |          | 2.4                                | 3.6    | 2.4    |        |        |        |       |       |       |       |       |      | 11       | 11       | 1         | 1 |                    |       |  |  |
| 34 / 33      |                                     |     |     |     |          | 2.4                                | 1.2    |        |        |        |        |       |       |       |       |       |      | 3        | 3        | 4         | 3 |                    |       |  |  |
| 32 / 31      | 1.2                                 | 1.2 |     |     |          | 1.2                                |        |        |        |        |        |       |       |       |       |       |      | 3        | 3        | 6         | 2 |                    |       |  |  |
| 3 / 29       | 1.2                                 |     | 2.4 |     |          |                                    |        |        |        |        |        |       |       |       |       |       |      | 3        | 3        | 13        | 1 |                    |       |  |  |
| 28 / 27      |                                     | 1.2 | 1.2 |     |          |                                    |        |        |        |        |        |       |       |       |       |       |      | 2        | 2        | 27        | 1 |                    |       |  |  |
| 26 / 25      |                                     |     |     |     |          |                                    |        |        |        |        |        |       |       |       |       |       |      |          |          | 20        | 4 |                    |       |  |  |
| 24 / 23      |                                     |     |     |     |          |                                    |        |        |        |        |        |       |       |       |       |       |      |          |          | 8         | 1 |                    |       |  |  |
| 22 / 21      |                                     |     |     |     |          |                                    |        |        |        |        |        |       |       |       |       |       |      |          |          | 2         | 2 |                    |       |  |  |
| 18 / 17      |                                     |     |     |     |          |                                    |        |        |        |        |        |       |       |       |       |       |      |          |          |           |   | 2                  |       |  |  |
| 16 / 15      |                                     |     |     |     |          |                                    |        |        |        |        |        |       |       |       |       |       |      |          |          |           |   | 1                  |       |  |  |
| 14 / 13      |                                     |     |     |     |          |                                    |        |        |        |        |        |       |       |       |       |       |      |          |          |           |   | 1                  |       |  |  |
| 12 / 11      |                                     |     |     |     |          |                                    |        |        |        |        |        |       |       |       |       |       |      |          |          |           |   | 2                  |       |  |  |
| 1 / 9        |                                     |     |     |     |          |                                    |        |        |        |        |        |       |       |       |       |       |      |          |          |           |   | 2                  |       |  |  |
| 6 / 7        |                                     |     |     |     |          |                                    |        |        |        |        |        |       |       |       |       |       |      |          |          |           |   | 1                  |       |  |  |
| 6 / 5        |                                     |     |     |     |          |                                    |        |        |        |        |        |       |       |       |       |       |      |          |          |           |   | 1                  |       |  |  |
| 4 / 3        |                                     |     |     |     |          |                                    |        |        |        |        |        |       |       |       |       |       |      |          |          |           |   | 5                  |       |  |  |
| 2 / 1        |                                     |     |     |     |          |                                    |        |        |        |        |        |       |       |       |       |       |      |          |          |           |   | 6                  |       |  |  |
| 1 / -1       |                                     |     |     |     |          |                                    |        |        |        |        |        |       |       |       |       |       |      |          |          |           |   | 3                  |       |  |  |
| -1 / -3      |                                     |     |     |     |          |                                    |        |        |        |        |        |       |       |       |       |       |      |          |          |           |   | 7                  |       |  |  |
| -4 / -5      |                                     |     |     |     |          |                                    |        |        |        |        |        |       |       |       |       |       |      |          |          |           |   | 3                  |       |  |  |
| -6 / -7      |                                     |     |     |     |          |                                    |        |        |        |        |        |       |       |       |       |       |      |          |          |           |   | 3                  |       |  |  |
| -8 / -9      |                                     |     |     |     |          |                                    |        |        |        |        |        |       |       |       |       |       |      |          |          |           |   | 4                  |       |  |  |
| -1 / -11     |                                     |     |     |     |          |                                    |        |        |        |        |        |       |       |       |       |       |      |          |          |           |   | 4                  |       |  |  |
| -11 / -13    |                                     |     |     |     |          |                                    |        |        |        |        |        |       |       |       |       |       |      |          |          |           |   | 4                  |       |  |  |
| -14 / -15    |                                     |     |     |     |          |                                    |        |        |        |        |        |       |       |       |       |       |      |          |          |           |   | 1                  |       |  |  |
| -16 / -17    |                                     |     |     |     |          |                                    |        |        |        |        |        |       |       |       |       |       |      |          |          |           |   | 3                  |       |  |  |
| -18 / -19    |                                     |     |     |     |          |                                    |        |        |        |        |        |       |       |       |       |       |      |          |          |           |   | 3                  |       |  |  |
| Element (X)  | Σ x'                                | Σ x | X   | Σ x | No. Obs. | Mean No. of Hours with Temperature |        |        |        |        |        | Total |       |       |       |       |      |          |          |           |   |                    |       |  |  |
| Rel. Hum.    |                                     |     |     |     |          | ≤ 0 F                              | ≤ 32 F | ≥ 67 F | ≥ 73 F | ≥ 80 F | ≥ 93 F |       |       |       |       |       |      |          |          |           |   |                    |       |  |  |
| Dry Bulb     |                                     |     |     |     |          |                                    |        |        |        |        |        |       |       |       |       |       |      |          |          |           |   |                    |       |  |  |
| Wet Bulb     |                                     |     |     |     |          |                                    |        |        |        |        |        |       |       |       |       |       |      |          |          |           |   |                    |       |  |  |
| Dew Point    |                                     |     |     |     |          |                                    |        |        |        |        |        |       |       |       |       |       |      |          |          |           |   |                    |       |  |  |

USAFETAC FORM 0-26-5 (OL A) JUL 64 REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

## PSYCHROMETRIC SUMMARY

JAN  
MONTH

PAGE 2 2100-2300  
HOURS (L. S. T.)

[illegible]

**USAFETAC**  
FORM  
WH 44  
0-26-5 (OL A)  
REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

## PSYCHROMETRIC SUMMARY

JAN  
MONTH

ALL  
HOURS (L. S. T.)

[illegible]

REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

**0-26.5 (OL A)**

FORM 44

**USAFETAC**



## PSYCHROMETRIC SUMMARY

**JAN**  
**MONTH**

PAGE 2

ALL

ALL  
HOURS (L. S. T.)

[illegible]

## PSYCHROMETRIC SUMMARY

|         |                                  |       |
|---------|----------------------------------|-------|
| 0001    | MAUI OPTICAL SITE HI NORTH TOWER | 79-80 |
| STATION | STATION NAME                     |       |

**YEARS**

FEB  
MONTH

PAGE 1 0000-0200  
HOURS (L, S, T.)

| Temp.<br>(F) | WET BULB TEMPERATURE DEPRESSION (F) |     |     |     |     |      |       |       |       |       |       |       |       |       |       |       |      | TOTAL     | TOTAL    |          |           |
|--------------|-------------------------------------|-----|-----|-----|-----|------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|------|-----------|----------|----------|-----------|
|              | 0                                   | 1-2 | 3-4 | 5-6 | 7-8 | 9-10 | 11-12 | 13-14 | 15-16 | 17-18 | 19-20 | 21-22 | 23-24 | 25-26 | 27-28 | 29-30 | ≥ 31 | D.B./W.B. | Dry Bulb | Wet Bulb | Dew Point |
| 5 / 40       |                                     |     |     |     |     |      |       |       |       | .8    |       |       |       |       |       |       |      | 1         | 1        |          |           |
| 48 / 47      |                                     |     |     |     |     |      |       |       |       | 1.6   |       |       |       |       |       |       |      | 2         | 2        |          |           |
| 46 / 45      |                                     | 2.4 |     |     |     |      |       |       | 1.6   | 4.0   |       |       |       |       |       |       |      | 10        | 10       |          |           |
| 44 / 43      |                                     | 7.2 |     |     |     |      |       |       | 3.2   | 3.2   |       |       |       |       |       |       |      | 17        | 17       | 5        | 2         |
| 42 / 41      |                                     | 2.4 |     | 1.6 | 1.6 |      | 1.6   | .8    | 1.6   |       |       |       |       |       |       |       |      | 12        | 14       | 8        | 9         |
| 4 / 39       |                                     | 2.4 | 1.6 | 3.2 | 3.2 |      | 2.4   | 4.8   | .8    |       |       |       |       |       |       |       |      | 23        | 25       | 3        | 3         |
| 38 / 37      | 1.6                                 | 3.2 |     | .8  | 1.6 | .8   | .8    | 5.6   |       |       |       |       |       |       |       |       |      | 18        | 26       | 8        | 4         |
| 36 / 35      | 3.2                                 | 4.0 |     | 3.2 | .8  | 1.6  | .8    | 1.6   |       |       |       |       |       |       |       |       |      | 19        | 29       | 11       | 8         |
| 34 / 33      | 1.6                                 | 1.6 | .8  |     | .8  |      | .8    |       |       |       |       |       |       |       |       |       |      | 7         | 15       | 11       | 8         |
| 32 / 31      | 1.6                                 | .8  | .8  | 1.6 |     |      | 4.0   |       |       |       |       |       |       |       |       |       |      | 11        | 14       | 14       | 5         |
| 30 / 29      |                                     |     |     |     |     |      |       |       |       |       |       |       |       |       |       |       |      |           |          | 17       | 3         |
| 28 / 27      | .8                                  |     |     | .8  | .8  |      |       |       |       |       |       |       |       |       |       |       |      | 3         | 3        | 14       | 4         |
| 26 / 25      | .8                                  |     |     | .8  |     |      |       |       |       |       |       |       |       |       |       |       |      | 2         | 2        | 16       | 6         |
| 24 / 23      |                                     |     |     |     |     |      |       |       |       |       |       |       |       |       |       |       |      |           |          | 10       | 2         |
| 22 / 21      |                                     |     |     |     |     |      |       |       |       |       |       |       |       |       |       |       |      |           |          | 1        | 8         |
| 20 / 19      |                                     |     |     |     |     |      |       |       |       |       |       |       |       |       |       |       |      |           |          | 7        | 3         |
| 18 / 17      |                                     |     |     |     |     |      |       |       |       |       |       |       |       |       |       |       |      |           |          |          | 2         |
| 16 / 16      |                                     |     |     |     |     |      |       |       |       |       |       |       |       |       |       |       |      |           |          |          | 3         |
| 14 / 13      |                                     |     |     |     |     |      |       |       |       |       |       |       |       |       |       |       |      |           |          |          | 2         |
| 12 / 11      |                                     |     |     |     |     |      |       |       |       |       |       |       |       |       |       |       |      |           |          |          | 4         |
| 10 / 10      |                                     |     |     |     |     |      |       |       |       |       |       |       |       |       |       |       |      |           |          |          | 2         |
| 8 / 9        |                                     |     |     |     |     |      |       |       |       |       |       |       |       |       |       |       |      |           |          |          | 2         |
| 6 / 8        |                                     |     |     |     |     |      |       |       |       |       |       |       |       |       |       |       |      |           |          |          | 3         |
| 4 / 7        |                                     |     |     |     |     |      |       |       |       |       |       |       |       |       |       |       |      |           |          |          | 2         |
| 2 / 6        |                                     |     |     |     |     |      |       |       |       |       |       |       |       |       |       |       |      |           |          |          | 2         |
| 0 / 5        |                                     |     |     |     |     |      |       |       |       |       |       |       |       |       |       |       |      |           |          |          | 3         |
| -2 / -3      |                                     |     |     |     |     |      |       |       |       |       |       |       |       |       |       |       |      |           |          |          | 2         |
| -4 / -5      |                                     |     |     |     |     |      |       |       |       |       |       |       |       |       |       |       |      |           |          |          | 4         |
| -6 / -7      |                                     |     |     |     |     |      |       |       |       |       |       |       |       |       |       |       |      |           |          |          | 2         |
| -8 / -9      |                                     |     |     |     |     |      |       |       |       |       |       |       |       |       |       |       |      |           |          |          | 1         |
| -10 / -11    |                                     |     |     |     |     |      |       |       |       |       |       |       |       |       |       |       |      |           |          |          | 2         |
| -12 / -13    |                                     |     |     |     |     |      |       |       |       |       |       |       |       |       |       |       |      |           |          |          | 2         |
| -14 / -15    |                                     |     |     |     |     |      |       |       |       |       |       |       |       |       |       |       |      |           |          |          | 2         |
| -16 / -17    |                                     |     |     |     |     |      |       |       |       |       |       |       |       |       |       |       |      |           |          |          | 5         |
| -18 / -19    |                                     |     |     |     |     |      |       |       |       |       |       |       |       |       |       |       |      |           |          |          | 6         |
| -20 / -21    |                                     |     |     |     |     |      |       |       |       |       |       |       |       |       |       |       |      |           |          |          |           |

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**0-26-5 (OL A)**

Form 1

**USAFETAC**

## PSYCHROMETRIC SUMMARY

FEB  
MONTH

PAGE 2 0000-0200  
HOURS (L. S. T.)

[illegible]



## PSYCHROMETRIC SUMMARY

FEB

**MONTH**

0300-0500

HOURS (L. S. T.)

[illegible]

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

# PSYCHROMETRIC SUMMARY

0001 MAUI OPTICAL SITE HI NORTH TOWER 79-80

FEB  
MONTH

PAGE 1 0600-0800  
HOURS (L, S, T.)

| Temp.<br>(F) | WET BULB TEMPERATURE DEPRESSION (F) |     |            |     |          |      |            |       |          |       |                                    |        |        |        |        |        |      |          |          |           | TOTAL<br>D.B./W.B. | TOTAL |    |    |
|--------------|-------------------------------------|-----|------------|-----|----------|------|------------|-------|----------|-------|------------------------------------|--------|--------|--------|--------|--------|------|----------|----------|-----------|--------------------|-------|----|----|
|              | 0                                   | 1-2 | 3-4        | 5-6 | 7-8      | 9-10 | 11-12      | 13-14 | 15-16    | 17-18 | 19-20                              | 21-22  | 23-24  | 25-26  | 27-28  | 29-30  | ≥ 31 | Dry Bulb | Wet Bulb | Dew Point |                    |       |    |    |
| 5 / 40       |                                     |     |            |     |          |      |            |       |          | .8    |                                    |        |        |        |        |        |      |          |          |           | 1                  | 1     |    |    |
| 33 / 47      |                                     |     |            |     |          |      |            |       |          | 5.6   |                                    |        |        |        |        |        |      |          |          |           | 7                  | 7     |    |    |
| 46 / 45      |                                     |     |            |     |          |      |            |       |          | 5.6   |                                    |        |        |        |        |        |      |          |          |           | 7                  | 7     |    |    |
| 44 / 43      |                                     | 1.6 |            |     |          |      |            |       | 4.0      | 1.6   |                                    |        |        |        |        |        |      |          |          |           | 9                  | 9     | 2  |    |
| 42 / 41      | .8                                  | 4.0 |            | .8  |          | 1.6  | .8         | 2.4   | 2.4      |       |                                    |        |        |        |        |        |      |          |          |           | 16                 | 17    | 3  | 4  |
| 4 / 39       |                                     | 8.1 | 1.6        | 2.4 | 3.2      | .8   |            | 2.4   | 1.6      |       |                                    |        |        |        |        |        |      |          |          |           | 25                 | 33    | 6  | 3  |
| 35 / 37      | 3.2                                 | 2.4 | 1.6        |     | .8       | .8   | 1.6        | 4.0   |          |       |                                    |        |        |        |        |        |      |          |          |           | 18                 | 24    | 13 | 6  |
| 36 / 35      | 1.6                                 | 2.4 | 1.6        |     | .8       |      | .8         | .8    |          |       |                                    |        |        |        |        |        |      |          |          |           | 10                 | 16    | 9  | 10 |
| 34 / 33      | 3.2                                 | 4.8 | 1.6        | 2.4 | 2.4      |      | 2.4        | .8    |          |       |                                    |        |        |        |        |        |      |          |          |           | 22                 | 33    | 15 | 10 |
| 32 / 31      |                                     | 1.6 |            |     | .8       | 1.6  | .8         |       |          |       |                                    |        |        |        |        |        |      |          |          |           | 6                  | 6     | 14 | 9  |
| 3 / 29       |                                     | .8  |            |     |          |      |            |       |          |       |                                    |        |        |        |        |        |      |          |          |           | 1                  | 2     | 18 | 5  |
| 26 / 27      |                                     | 1.6 |            |     |          |      |            |       |          |       |                                    |        |        |        |        |        |      |          |          |           | 2                  | 2     | 18 | 3  |
| 20 / 25      |                                     |     |            |     |          |      |            |       |          |       |                                    |        |        |        |        |        |      |          |          |           |                    |       | 11 | 4  |
| 24 / 23      |                                     |     |            |     |          |      |            |       |          |       |                                    |        |        |        |        |        |      |          |          |           |                    |       | 8  | 3  |
| 22 / 21      |                                     |     |            |     |          |      |            |       |          |       |                                    |        |        |        |        |        |      |          |          |           |                    |       | 7  | 3  |
| 2 / 19       |                                     |     |            |     |          |      |            |       |          |       |                                    |        |        |        |        |        |      |          |          |           |                    |       |    | 5  |
| 16 / 17      |                                     |     |            |     |          |      |            |       |          |       |                                    |        |        |        |        |        |      |          |          |           |                    |       |    | 1  |
| 16 / 15      |                                     |     |            |     |          |      |            |       |          |       |                                    |        |        |        |        |        |      |          |          |           |                    |       |    | 3  |
| 4 / 13       |                                     |     |            |     |          |      |            |       |          |       |                                    |        |        |        |        |        |      |          |          |           |                    |       |    | 2  |
| 1 / 11       |                                     |     |            |     |          |      |            |       |          |       |                                    |        |        |        |        |        |      |          |          |           |                    |       |    | 2  |
| 1 / 9        |                                     |     |            |     |          |      |            |       |          |       |                                    |        |        |        |        |        |      |          |          |           |                    |       |    | 1  |
| 8 / 7        |                                     |     |            |     |          |      |            |       |          |       |                                    |        |        |        |        |        |      |          |          |           |                    |       |    | 1  |
| 6 / 5        |                                     |     |            |     |          |      |            |       |          |       |                                    |        |        |        |        |        |      |          |          |           |                    |       |    | 1  |
| 1 / 3        |                                     |     |            |     |          |      |            |       |          |       |                                    |        |        |        |        |        |      |          |          |           |                    |       |    | 3  |
| 1 / 1        |                                     |     |            |     |          |      |            |       |          |       |                                    |        |        |        |        |        |      |          |          |           |                    |       |    | 2  |
| -4 / -5      |                                     |     |            |     |          |      |            |       |          |       |                                    |        |        |        |        |        |      |          |          |           |                    |       |    | 4  |
| -6 / -7      |                                     |     |            |     |          |      |            |       |          |       |                                    |        |        |        |        |        |      |          |          |           |                    |       |    | 3  |
| -8 / -9      |                                     |     |            |     |          |      |            |       |          |       |                                    |        |        |        |        |        |      |          |          |           |                    |       |    | 4  |
| -1 / -11     |                                     |     |            |     |          |      |            |       |          |       |                                    |        |        |        |        |        |      |          |          |           |                    |       |    | 5  |
| -1 / -13     |                                     |     |            |     |          |      |            |       |          |       |                                    |        |        |        |        |        |      |          |          |           |                    |       |    | 2  |
| -14 / -15    |                                     |     |            |     |          |      |            |       |          |       |                                    |        |        |        |        |        |      |          |          |           |                    |       |    | 3  |
| -16 / -17    |                                     |     |            |     |          |      |            |       |          |       |                                    |        |        |        |        |        |      |          |          |           |                    |       |    | 3  |
| -18 / -19    |                                     |     |            |     |          |      |            |       |          |       |                                    |        |        |        |        |        |      |          |          |           |                    |       |    | 2  |
| -1 / -21     |                                     |     |            |     |          |      |            |       |          |       |                                    |        |        |        |        |        |      |          |          |           |                    |       |    | 5  |
| Element (X)  | $\Sigma X^2$                        |     | $\Sigma X$ |     | $\Sigma$ |      | $\sigma_x$ |       | No. Obs. |       | Mean No. of Hours with Temperature |        |        |        |        |        |      | Total    |          |           |                    |       |    |    |
| Rel. Hum.    |                                     |     |            |     |          |      |            |       |          |       | ≤ 0 F                              | ≤ 32 F | ≥ 67 F | ≥ 73 F | ≥ 80 F | ≥ 93 F |      |          |          |           |                    |       |    |    |
| Dry Bulb     |                                     |     |            |     |          |      |            |       |          |       |                                    |        |        |        |        |        |      |          |          |           |                    |       |    |    |
| Wet Bulb     |                                     |     |            |     |          |      |            |       |          |       |                                    |        |        |        |        |        |      |          |          |           |                    |       |    |    |
| Dew Point    |                                     |     |            |     |          |      |            |       |          |       |                                    |        |        |        |        |        |      |          |          |           |                    |       |    |    |

USAFETAC FORM 0-26-5 (OLA) JUL 64  
REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

## PSYCHROMETRIC SUMMARY

FEB  
MONTH

PAGE 2 0600-0800  
HOURS (L. S. T.)

[illegible]

**USAFETAC**  
FORM  
JUL 64  
**0-26-5 (OLA)**  
REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

# PSYCHROMETRIC SUMMARY

0001  
STATION

MAUI OPTICAL SITE HI NORTH TOWER  
STATION NAME

79-80  
YEARS

FEB  
MONTH

PAGE 1 0900-1100  
HOURS (L. S. T.)

| Temp.<br>(F) | WET BULB TEMPERATURE DEPRESSION (F) |     |     |     |     |      |                |       |          |       |                                    |        |        |        |        |        |       |          |    |          | TOTAL<br>D.B./W.B. | TOTAL     |  |  |
|--------------|-------------------------------------|-----|-----|-----|-----|------|----------------|-------|----------|-------|------------------------------------|--------|--------|--------|--------|--------|-------|----------|----|----------|--------------------|-----------|--|--|
|              | 0                                   | 1-2 | 3-4 | 5-6 | 7-8 | 9-10 | 11-12          | 13-14 | 15-16    | 17-18 | 19-20                              | 21-22  | 23-24  | 25-26  | 27-28  | 29-30  | ≥ 31  | Dry Bulb |    | Wet Bulb |                    | Dew Point |  |  |
| 56/ 55       |                                     |     |     |     |     |      |                |       |          |       | 1.7                                | .8     |        |        |        |        |       | 3        | 3  |          |                    |           |  |  |
| 54/ 53       |                                     |     |     |     |     |      |                |       |          | .8    | .8                                 |        |        |        |        |        |       | 2        | 2  |          |                    |           |  |  |
| 52/ 51       |                                     |     |     |     |     |      |                |       |          | .8    | 5.1                                |        |        |        |        |        |       | 7        | 7  |          |                    |           |  |  |
| 51/ 49       |                                     |     |     |     |     |      |                |       | 1.7      | .8    | 1.7                                |        |        |        |        |        |       | 5        | 6  |          |                    |           |  |  |
| 48/ 47       |                                     |     | .8  | .8  |     | .8   |                |       | 1.7      | 3.4   |                                    |        |        |        |        |        |       | 9        | 9  |          |                    |           |  |  |
| 46/ 45       |                                     | 4.2 | .8  |     | 1.7 |      | .8             | .8    | 2.5      | .8    |                                    |        |        |        |        |        |       | 14       | 15 | 1        |                    |           |  |  |
| 44/ 43       |                                     | 3.4 | 2.5 | .8  | .8  | .8   | 1.7            |       | 2.5      |       |                                    |        |        |        |        |        |       | 15       | 16 | 7        | 3                  |           |  |  |
| 42/ 41       |                                     | 1.7 | .8  | .8  |     | .8   |                | 1.7   |          |       |                                    |        |        |        |        |        |       | 7        | 11 | 6        | 5                  |           |  |  |
| 41/ 39       | 1.7                                 | 6.8 | 2.5 | .8  | .8  | 1.7  |                |       | .8       |       |                                    |        |        |        |        |        |       | 18       | 26 | 8        | 5                  |           |  |  |
| 38/ 37       | 5.9                                 | 5.1 | 1.7 |     |     |      | .8             | 4.2   |          |       |                                    |        |        |        |        |        |       | 21       | 29 | 20       | 15                 |           |  |  |
| 35/ 35       | .8                                  | 1.7 | 2.5 |     | .8  |      | .8             | .8    |          |       |                                    |        |        |        |        |        |       | 9        | 16 | 16       | 8                  |           |  |  |
| 34/ 33       | 3.4                                 |     |     | .8  |     |      |                |       |          |       |                                    |        |        |        |        |        |       | 5        | 11 | 18       | 11                 |           |  |  |
| 32/ 31       |                                     |     |     | 1.7 |     |      |                |       |          |       |                                    |        |        |        |        |        |       | 2        | 3  | 15       | 6                  |           |  |  |
| 31/ 29       |                                     |     |     |     |     |      |                |       |          |       |                                    |        |        |        |        |        |       |          |    | 7        | 5                  |           |  |  |
| 28/ 27       |                                     |     |     | .8  |     |      |                |       |          |       |                                    |        |        |        |        |        |       | 1        | 1  | 9        | 2                  |           |  |  |
| 26/ 25       |                                     |     |     |     |     |      |                |       |          |       |                                    |        |        |        |        |        |       |          |    | 4        | 2                  |           |  |  |
| 24/ 23       |                                     |     |     |     |     |      |                |       |          |       |                                    |        |        |        |        |        |       |          |    | 5        | 1                  |           |  |  |
| 22/ 21       |                                     |     |     |     |     |      |                |       |          |       |                                    |        |        |        |        |        |       |          |    | 2        | 2                  |           |  |  |
| 21/ 19       |                                     |     |     |     |     |      |                |       |          |       |                                    |        |        |        |        |        |       |          |    |          | 4                  |           |  |  |
| 18/ 15       |                                     |     |     |     |     |      |                |       |          |       |                                    |        |        |        |        |        |       |          |    |          | 5                  |           |  |  |
| 14/ 13       |                                     |     |     |     |     |      |                |       |          |       |                                    |        |        |        |        |        |       |          |    |          | 1                  |           |  |  |
| 11/ 9        |                                     |     |     |     |     |      |                |       |          |       |                                    |        |        |        |        |        |       |          |    |          | 2                  |           |  |  |
| 8/ 7         |                                     |     |     |     |     |      |                |       |          |       |                                    |        |        |        |        |        |       |          |    |          | 2                  |           |  |  |
| 6/ 5         |                                     |     |     |     |     |      |                |       |          |       |                                    |        |        |        |        |        |       |          |    |          | 1                  |           |  |  |
| 4/ 3         |                                     |     |     |     |     |      |                |       |          |       |                                    |        |        |        |        |        |       |          |    |          | 3                  |           |  |  |
| 2/ 1         |                                     |     |     |     |     |      |                |       |          |       |                                    |        |        |        |        |        |       |          |    |          | 2                  |           |  |  |
| 1/ -1        |                                     |     |     |     |     |      |                |       |          |       |                                    |        |        |        |        |        |       |          |    |          | 5                  |           |  |  |
| -1/ -3       |                                     |     |     |     |     |      |                |       |          |       |                                    |        |        |        |        |        |       |          |    |          | 2                  |           |  |  |
| -4/ -5       |                                     |     |     |     |     |      |                |       |          |       |                                    |        |        |        |        |        |       |          |    |          | 1                  |           |  |  |
| -5/ -7       |                                     |     |     |     |     |      |                |       |          |       |                                    |        |        |        |        |        |       |          |    |          | 4                  |           |  |  |
| -8/ -9       |                                     |     |     |     |     |      |                |       |          |       |                                    |        |        |        |        |        |       |          |    |          | 5                  |           |  |  |
| -1/-11       |                                     |     |     |     |     |      |                |       |          |       |                                    |        |        |        |        |        |       |          |    |          | 4                  |           |  |  |
| -1/-13       |                                     |     |     |     |     |      |                |       |          |       |                                    |        |        |        |        |        |       |          |    |          | 2                  |           |  |  |
| -1/-17       |                                     |     |     |     |     |      |                |       |          |       |                                    |        |        |        |        |        |       |          |    |          | 1                  |           |  |  |
| Element (X)  | Σ X <sup>2</sup>                    |     | Σ X |     | X̄  |      | σ <sub>x</sub> |       | No. Obs. |       | Mean No. of Hours with Temperature |        |        |        |        |        | Total |          |    |          |                    |           |  |  |
| Rel. Hum.    |                                     |     |     |     |     |      |                |       |          |       | ≤ 0 F                              | ≤ 32 F | ≥ 67 F | ≥ 73 F | ≥ 80 F | ≥ 93 F |       |          |    |          |                    |           |  |  |
| Dry Bulb     |                                     |     |     |     |     |      |                |       |          |       |                                    |        |        |        |        |        |       |          |    |          |                    |           |  |  |
| Wet Bulb     |                                     |     |     |     |     |      |                |       |          |       |                                    |        |        |        |        |        |       |          |    |          |                    |           |  |  |
| Dew Point    |                                     |     |     |     |     |      |                |       |          |       |                                    |        |        |        |        |        |       |          |    |          |                    |           |  |  |

USAFETAC FORM 0-26-5 (OLA) JUL 64



## PSYCHROMETRIC SUMMARY

FEB  
MONTH

STATION

STATION NAME

YEARS

MONTH

PAGE 2

0900-1100

HOURS (L. S. T.)

[illegible]

USAFETAC  
FORM  
JUL 64  
0-26-5 (OL A)  
REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

# PSYCHROMETRIC SUMMARY

DEC 1 MAUI OPTICAL SITE HI NORTH TOWER 79-80

YEARS

FEB  
MONTH

PAGE 1 1200-1400  
HOURS (L. S. T.)

| Temp.<br>(F) | WET BULB TEMPERATURE DEPRESSION (F) |     |     |     |     |      |       |       |          |       |                                    |        |        |        |        |        |       |    |  |  | TOTAL<br>D.B./W.B. | TOTAL    |           |  |
|--------------|-------------------------------------|-----|-----|-----|-----|------|-------|-------|----------|-------|------------------------------------|--------|--------|--------|--------|--------|-------|----|--|--|--------------------|----------|-----------|--|
|              | 0                                   | 1-2 | 3-4 | 5-6 | 7-8 | 9-10 | 11-12 | 13-14 | 15-16    | 17-18 | 19-20                              | 21-22  | 23-24  | 25-26  | 27-28  | 29-30  | ≥ 31  |    |  |  | Dry Bulb           | Wet Bulb | Dew Point |  |
| 58/ 57       |                                     |     |     |     |     |      |       |       |          |       | .8                                 | .8     |        |        |        |        |       | 2  |  |  | 2                  |          |           |  |
| 56/ 55       |                                     |     |     |     |     |      |       |       |          | 1.7   | 3.3                                | .8     |        |        |        |        |       | 7  |  |  | 7                  |          |           |  |
| 54/ 53       |                                     |     |     |     |     |      |       |       |          | .8    |                                    |        |        |        |        |        |       | 1  |  |  | 1                  |          |           |  |
| 52/ 51       |                                     |     |     | .8  |     |      |       | .8    | 1.7      | .8    | .8                                 |        |        |        |        |        |       | 6  |  |  | 6                  |          |           |  |
| 50/ 49       |                                     | 1.7 | .8  |     |     |      |       | .8    |          | 3.3   |                                    |        |        |        |        |        |       | 8  |  |  | 8                  |          |           |  |
| 48/ 47       |                                     | .8  | 1.7 |     |     | 2.5  | 4.1   |       | 2.5      | .8    |                                    |        |        |        |        |        |       | 15 |  |  | 15                 | 2        | 1         |  |
| 46/ 45       |                                     | 5.0 | 2.5 | .8  | 3.3 | .8   | .8    | 1.7   | .8       | .8    |                                    |        |        |        |        |        |       | 20 |  |  | 20                 | 8        | 2         |  |
| 44/ 43       | .8                                  | 5.0 | 3.3 | .8  | 2.5 | .8   | 2.5   |       | 2.5      |       |                                    |        |        |        |        |        |       | 22 |  |  | 24                 | 10       | 9         |  |
| 42/ 41       |                                     | 3.3 |     | .8  | .8  |      |       | .8    |          |       |                                    |        |        |        |        |        |       | 7  |  |  | 12                 | 4        | 8         |  |
| 40/ 39       | .8                                  | 4.1 | 1.7 | .8  | 1.7 | .8   | 1.7   |       |          |       |                                    |        |        |        |        |        |       | 14 |  |  | 19                 | 16       | 4         |  |
| 38/ 37       | 1.7                                 | 3.3 |     |     |     | .8   |       | 4.1   |          |       |                                    |        |        |        |        |        |       | 12 |  |  | 21                 | 21       | 11        |  |
| 36/ 35       |                                     | .8  |     |     | .8  |      |       | .8    |          |       |                                    |        |        |        |        |        |       | 3  |  |  | 12                 | 19       | 8         |  |
| 34/ 33       | 1.7                                 |     | .8  | .8  |     |      |       |       |          |       |                                    |        |        |        |        |        |       | 4  |  |  | 9                  | 13       | 6         |  |
| 32/ 31       |                                     |     |     |     |     |      |       |       |          |       |                                    |        |        |        |        |        |       |    |  |  | 1                  | 11       | 2         |  |
| 30/ 29       |                                     |     |     |     |     |      |       |       |          |       |                                    |        |        |        |        |        |       |    |  |  |                    | 5        |           |  |
| 28/ 27       |                                     |     |     |     |     |      |       |       |          |       |                                    |        |        |        |        |        |       |    |  |  |                    | 7        | 6         |  |
| 26/ 25       |                                     |     |     |     |     |      |       |       |          |       |                                    |        |        |        |        |        |       |    |  |  |                    | 3        | 5         |  |
| 24/ 23       |                                     |     |     |     |     |      |       |       |          |       |                                    |        |        |        |        |        |       |    |  |  |                    | 3        | 5         |  |
| 22/ 21       |                                     |     |     |     |     |      |       |       |          |       |                                    |        |        |        |        |        |       |    |  |  |                    |          | 5         |  |
| 20/ 19       |                                     |     |     |     |     |      |       |       |          |       |                                    |        |        |        |        |        |       |    |  |  |                    |          | 2         |  |
| 18/ 17       |                                     |     |     |     |     |      |       |       |          |       |                                    |        |        |        |        |        |       |    |  |  |                    |          | 5         |  |
| 16/ 15       |                                     |     |     |     |     |      |       |       |          |       |                                    |        |        |        |        |        |       |    |  |  |                    |          | 5         |  |
| 14/ 13       |                                     |     |     |     |     |      |       |       |          |       |                                    |        |        |        |        |        |       |    |  |  |                    |          | 1         |  |
| 12/ 11       |                                     |     |     |     |     |      |       |       |          |       |                                    |        |        |        |        |        |       |    |  |  |                    |          | 3         |  |
| 10/ 9        |                                     |     |     |     |     |      |       |       |          |       |                                    |        |        |        |        |        |       |    |  |  |                    |          | 1         |  |
| 8/ 7         |                                     |     |     |     |     |      |       |       |          |       |                                    |        |        |        |        |        |       |    |  |  |                    |          | 4         |  |
| 6/ 5         |                                     |     |     |     |     |      |       |       |          |       |                                    |        |        |        |        |        |       |    |  |  |                    |          | 3         |  |
| 4/ 3         |                                     |     |     |     |     |      |       |       |          |       |                                    |        |        |        |        |        |       |    |  |  |                    |          | 2         |  |
| 2/ 1         |                                     |     |     |     |     |      |       |       |          |       |                                    |        |        |        |        |        |       |    |  |  |                    |          | 4         |  |
| 0/ 0         |                                     |     |     |     |     |      |       |       |          |       |                                    |        |        |        |        |        |       |    |  |  |                    |          | 3         |  |
| -2/ -3       |                                     |     |     |     |     |      |       |       |          |       |                                    |        |        |        |        |        |       |    |  |  |                    |          | 4         |  |
| -4/ -5       |                                     |     |     |     |     |      |       |       |          |       |                                    |        |        |        |        |        |       |    |  |  |                    |          | 3         |  |
| -6/ -7       |                                     |     |     |     |     |      |       |       |          |       |                                    |        |        |        |        |        |       |    |  |  |                    |          | 1         |  |
| -8/ -11      |                                     |     |     |     |     |      |       |       |          |       |                                    |        |        |        |        |        |       |    |  |  |                    |          | 1         |  |
| Element (X)  | ΣX <sup>2</sup>                     |     | ΣX  |     | X   |      | ΣX    |       | No. Obs. |       | Mean No. of Hours with Temperature |        |        |        |        |        |       |    |  |  |                    |          |           |  |
| Rel. Hum.    |                                     |     |     |     |     |      |       |       |          |       | ≤ 0 F                              | ≤ 32 F | ≥ 67 F | ≥ 73 F | ≥ 80 F | ≥ 93 F | Total |    |  |  |                    |          |           |  |
| Dry Bulb     |                                     |     |     |     |     |      |       |       |          |       |                                    |        |        |        |        |        |       |    |  |  |                    |          |           |  |
| Wet Bulb     |                                     |     |     |     |     |      |       |       |          |       |                                    |        |        |        |        |        |       |    |  |  |                    |          |           |  |
| Dew Point    |                                     |     |     |     |     |      |       |       |          |       |                                    |        |        |        |        |        |       |    |  |  |                    |          |           |  |

USAFETAC FORM 0-26 5 (OL A) JUL 64  
REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

## PSYCHROMETRIC SUMMARY

FEB  
MONTH

PAGE 2 1200-1400  
HOURS (L. S. T.)

[illegible]

## PSYCHROMETRIC SUMMARY

FEB

**MONTH**

1500-1700

**HOURS (L. S. T.)**

| Temp.<br>(F) | WET BULB TEMPERATURE DEPRESSION (F) |     |            |     |           |      |            |       |          |       |                                    |       |       |       |       |       |      |           |          |          |           | TOTAL |  | TOTAL |  |  |
|--------------|-------------------------------------|-----|------------|-----|-----------|------|------------|-------|----------|-------|------------------------------------|-------|-------|-------|-------|-------|------|-----------|----------|----------|-----------|-------|--|-------|--|--|
|              | 0                                   | 1-2 | 3-4        | 5-6 | 7-8       | 9-10 | 11-12      | 13-14 | 15-16    | 17-18 | 19-20                              | 21-22 | 23-24 | 25-26 | 27-28 | 29-30 | ≥ 31 | D.B./W.B. | Dry Bulb | Wet Bulb | Dew Point |       |  |       |  |  |
| 54 / 57      |                                     |     |            |     |           |      |            |       |          |       |                                    | .8    |       |       |       |       |      | 1         | 1        |          |           |       |  |       |  |  |
| 50 / 55      |                                     |     |            |     |           |      |            |       |          |       | 1.7                                | 1.7   |       |       |       |       |      | 4         | 4        |          |           |       |  |       |  |  |
| 44 / 53      |                                     |     |            |     |           |      |            |       |          | .8    | 3.3                                |       |       |       |       |       |      | 5         | 5        |          |           |       |  |       |  |  |
| 42 / 51      |                                     |     |            |     |           |      | .8         |       |          |       | .8                                 |       |       |       |       |       |      | 2         | 2        |          |           |       |  |       |  |  |
| 5 / 49       |                                     |     |            |     |           | .8   |            | .8    |          | 1.7   |                                    |       |       |       |       |       |      | 4         | 4        |          |           |       |  |       |  |  |
| 40 / 47      |                                     | 2.5 |            |     |           |      | 1.7        | 2.5   | 1.7      | .8    |                                    |       |       |       |       |       |      | 11        | 11       |          |           |       |  |       |  |  |
| 41 / 45      |                                     | 5.2 | 1.7        |     |           | 2.5  |            | .8    | 4.2      | 1.7   |                                    |       |       |       |       |       |      | 19        | 19       | 3        |           |       |  |       |  |  |
| 44 / 43      |                                     | 7.5 | 2.5        | .8  | .8        | 5.7  |            | .8    | 1.7      |       |                                    |       |       |       |       |       |      | 23        | 24       | 12       | 6         |       |  |       |  |  |
| 42 / 41      |                                     | 7.5 | .8         | 2.5 | .8        | 2.5  |            |       | .8       |       |                                    |       |       |       |       |       |      | 16        | 22       | 7        | 12        |       |  |       |  |  |
| 4 / 37       | 1.7                                 | 4.2 | 1.7        |     |           | .8   |            |       | 2.5      |       |                                    |       |       |       |       |       |      | 13        | 19       | 19       | 12        |       |  |       |  |  |
| 40 / 37      | 1.7                                 | 1.7 | 2.5        |     |           | .8   | 1.7        | 1.7   |          |       |                                    |       |       |       |       |       |      | 12        | 19       | 10       | 7         |       |  |       |  |  |
| 35 / 35      | .8                                  | .8  | 2.5        |     |           |      |            | .8    |          |       |                                    |       |       |       |       |       |      | 6         | 15       | 20       | 5         |       |  |       |  |  |
| 30 / 33      |                                     |     |            |     |           |      |            |       |          |       |                                    |       |       |       |       |       |      |           |          | 17       | 7         |       |  |       |  |  |
| 27 / 31      |                                     | .8  |            |     |           |      | .8         |       |          |       |                                    |       |       |       |       |       |      | 2         | 3        | 11       | 3         |       |  |       |  |  |
| 1 / 27       |                                     |     |            |     |           |      |            |       |          |       |                                    |       |       |       |       |       |      |           |          | 6        | 4         |       |  |       |  |  |
| 28 / 27      |                                     |     |            |     |           |      |            |       |          |       |                                    |       |       |       |       |       |      |           |          | 5        | 3         |       |  |       |  |  |
| 25 / 25      |                                     |     |            |     |           |      |            |       |          |       |                                    |       |       |       |       |       |      |           |          | 6        | 5         |       |  |       |  |  |
| 24 / 23      |                                     |     |            |     |           |      |            |       |          |       |                                    |       |       |       |       |       |      |           |          | 3        | 3         |       |  |       |  |  |
| 22 / 21      |                                     |     |            |     |           |      |            |       |          |       |                                    |       |       |       |       |       |      |           |          |          | 4         |       |  |       |  |  |
| 2 / 19       |                                     |     |            |     |           |      |            |       |          |       |                                    |       |       |       |       |       |      |           |          | 1        | 3         |       |  |       |  |  |
| 18 / 17      |                                     |     |            |     |           |      |            |       |          |       |                                    |       |       |       |       |       |      |           |          |          | 4         |       |  |       |  |  |
| 16 / 15      |                                     |     |            |     |           |      |            |       |          |       |                                    |       |       |       |       |       |      |           |          |          | 2         |       |  |       |  |  |
| 14 / 13      |                                     |     |            |     |           |      |            |       |          |       |                                    |       |       |       |       |       |      |           |          |          | 2         |       |  |       |  |  |
| 12 / 11      |                                     |     |            |     |           |      |            |       |          |       |                                    |       |       |       |       |       |      |           |          |          | 1         |       |  |       |  |  |
| 7 / 7        |                                     |     |            |     |           |      |            |       |          |       |                                    |       |       |       |       |       |      |           |          |          | 1         |       |  |       |  |  |
| 6 / 5        |                                     |     |            |     |           |      |            |       |          |       |                                    |       |       |       |       |       |      |           |          |          | 1         |       |  |       |  |  |
| 4 / 3        |                                     |     |            |     |           |      |            |       |          |       |                                    |       |       |       |       |       |      |           |          |          | 4         |       |  |       |  |  |
| 2 / 2        |                                     |     |            |     |           |      |            |       |          |       |                                    |       |       |       |       |       |      |           |          |          | 5         |       |  |       |  |  |
| 1 / -1       |                                     |     |            |     |           |      |            |       |          |       |                                    |       |       |       |       |       |      |           |          |          | 2         |       |  |       |  |  |
| -1 / -3      |                                     |     |            |     |           |      |            |       |          |       |                                    |       |       |       |       |       |      |           |          |          | 1         |       |  |       |  |  |
| -4 / -5      |                                     |     |            |     |           |      |            |       |          |       |                                    |       |       |       |       |       |      |           |          |          | 5         |       |  |       |  |  |
| -6 / -7      |                                     |     |            |     |           |      |            |       |          |       |                                    |       |       |       |       |       |      |           |          |          | 2         |       |  |       |  |  |
| -8 / -9      |                                     |     |            |     |           |      |            |       |          |       |                                    |       |       |       |       |       |      |           |          |          | 3         |       |  |       |  |  |
| -10 / -11    |                                     |     |            |     |           |      |            |       |          |       |                                    |       |       |       |       |       |      |           |          |          | 1         |       |  |       |  |  |
| Element (X)  | $\Sigma x^2$                        |     | $\Sigma x$ |     | $\bar{x}$ |      | $\sigma_x$ |       | No. Obs. |       | Mean No. of Hours with Temperature |       |       |       |       |       |      |           |          |          |           |       |  |       |  |  |
| Rel. Hum     |                                     |     |            |     |           |      |            |       |          |       |                                    |       |       |       |       |       |      |           |          |          |           |       |  |       |  |  |

USAFETAC  
FORM 0-26-5 (OLA)  
REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

## PSYCHROMETRIC SUMMARY

**FEB**  
**MONTH**

PAGE 2 1500-1700  
HOURS (L. S. T.)

[illegible]

**USAFETAC**  
FORM  
JUL 64  
0-26-5 (OL A)  
REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

## PSYCHROMETRIC SUMMARY

**YEARS**

FEB  
MONTH

PAGE 1 1800-2000  
HOURS (L. S. T.)

| Temp.<br>(F) | WET BULB TEMPERATURE DEPRESSION (F) |          |     |     |     |      |       |       |       |       |       |       |       |       |       |       |      | TOTAL     | TOTAL    |          |           |
|--------------|-------------------------------------|----------|-----|-----|-----|------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|------|-----------|----------|----------|-----------|
|              | 0                                   | 1-2      | 3-4 | 5-6 | 7-8 | 9-10 | 11-12 | 13-14 | 15-16 | 17-18 | 19-20 | 21-22 | 23-24 | 25-26 | 27-28 | 29-30 | ≥ 31 | D.B./W.B. | Dry Bulb | Wet Bulb | Dew Point |
| 52 / 51      |                                     |          |     |     |     |      |       |       |       |       | .8    |       |       |       |       |       |      | 1         | 1        |          |           |
| 5 / 49       |                                     |          |     |     |     |      |       |       |       | .8    | 1.7   |       |       |       |       |       |      | 3         | 3        |          |           |
| 48 / 47      |                                     |          |     |     |     |      |       |       |       | .8    |       |       |       |       |       |       |      | 1         | 1        |          |           |
| 46 / 45      |                                     | .8       |     |     |     |      |       |       | .8    |       |       |       |       |       |       |       |      | 2         | 2        |          |           |
| 44 / 43      | .8                                  | 5.0      |     |     |     |      | 1.7   | 2.5   | 3.4   |       |       |       |       |       |       |       |      | 16        | 16       | 4        | 3         |
| 42 / 41      | .8                                  | 10.9     |     | 1.7 | 1.7 |      | 2.5   | 3.4   | 5.0   |       |       |       |       |       |       |       |      | 31        | 33       | 7        | 7         |
| 40 / 39      | 3.4                                 | 3.4      | 4.2 | 2.5 | .8  | 1.7  | .8    | 3.4   | 1.7   |       |       |       |       |       |       |       |      | 26        | 30       | 18       | 12        |
| 38 / 37      | .8                                  | 2.5      | 1.7 | .8  | 2.5 |      | .8    | 1.7   |       |       |       |       |       |       |       |       |      | 13        | 21       | 4        | 8         |
| 36 / 35      | 3.4                                 | 1.7      | 2.5 |     |     | .8   | 1.7   | 2.5   |       |       |       |       |       |       |       |       |      | 15        | 22       | 17       | 5         |
| 34 / 33      |                                     | 3.4      |     |     | .8  | .8   | .8    | .8    |       |       |       |       |       |       |       |       |      | 8         | 16       | 10       | 5         |
| 32 / 31      |                                     |          | .8  |     |     | .8   |       |       |       |       |       |       |       |       |       |       |      | 2         | 8        | 9        | 7         |
| 30 / 29      |                                     | .8       |     |     |     |      |       |       |       |       |       |       |       |       |       |       |      | 1         | 2        | 17       | 4         |
| 28 / 27      |                                     |          |     |     |     |      |       |       |       |       |       |       |       |       |       |       |      |           | 1        | 9        | 7         |
| 26 / 25      |                                     |          |     |     |     |      |       |       |       |       |       |       |       |       |       |       |      |           | 1        | 13       | 3         |
| 24 / 23      |                                     |          |     |     |     |      |       |       |       |       |       |       |       |       |       |       |      |           |          | 8        | 2         |
| 22 / 21      |                                     |          |     |     |     |      |       |       |       |       |       |       |       |       |       |       |      |           |          | 3        | 1         |
| 20 / 19      |                                     |          |     |     |     |      |       |       |       |       |       |       |       |       |       |       |      |           |          |          | 1         |
| 18 / 17      |                                     |          |     |     |     |      |       |       |       |       |       |       |       |       |       |       |      |           |          |          | 2         |
| 16 / 15      |                                     |          |     |     |     |      |       |       |       |       |       |       |       |       |       |       |      |           |          |          | 3         |
| 14 / 13      |                                     |          |     |     |     |      |       |       |       |       |       |       |       |       |       |       |      |           |          |          | 2         |
| 12 / 11      |                                     |          |     |     |     |      |       |       |       |       |       |       |       |       |       |       |      |           |          |          | 4         |
| 10 / 9       |                                     |          |     |     |     |      |       |       |       |       |       |       |       |       |       |       |      |           |          |          | 3         |
| 8 / 7        |                                     |          |     |     |     |      |       |       |       |       |       |       |       |       |       |       |      |           |          |          | 3         |
| 6 / 5        |                                     |          |     |     |     |      |       |       |       |       |       |       |       |       |       |       |      |           |          |          | 3         |
| 4 / 3        |                                     |          |     |     |     |      |       |       |       |       |       |       |       |       |       |       |      |           |          |          | 1         |
| 2 / 1        |                                     |          |     |     |     |      |       |       |       |       |       |       |       |       |       |       |      |           |          |          | 1         |
| 0 / -1       |                                     |          |     |     |     |      |       |       |       |       |       |       |       |       |       |       |      |           |          |          | 5         |
| -2 / -3      |                                     |          |     |     |     |      |       |       |       |       |       |       |       |       |       |       |      |           |          |          | 3         |
| -4 / -5      |                                     |          |     |     |     |      |       |       |       |       |       |       |       |       |       |       |      |           |          |          | 2         |
| -6 / -7      |                                     |          |     |     |     |      |       |       |       |       |       |       |       |       |       |       |      |           |          |          | 2         |
| -8 / -9      |                                     |          |     |     |     |      |       |       |       |       |       |       |       |       |       |       |      |           |          |          | 2         |
| -10 / -11    |                                     |          |     |     |     |      |       |       |       |       |       |       |       |       |       |       |      |           |          |          | 1         |
| -12 / -13    |                                     |          |     |     |     |      |       |       |       |       |       |       |       |       |       |       |      |           |          |          | 3         |
| -14 / -15    |                                     |          |     |     |     |      |       |       |       |       |       |       |       |       |       |       |      |           |          |          | 1         |
| -16 / -17    |                                     |          |     |     |     |      |       |       |       |       |       |       |       |       |       |       |      |           |          |          | 4         |
| Element (X)  | $\Sigma x^2$                        | $\Sigma$ |     |     |     |      |       |       |       |       |       |       |       |       |       |       |      |           |          |          |           |

REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

A)

FORM

**USAFETAC**

## PSYCHROMETRIC SUMMARY

FEB  
MONTH

PAGE 2 1800-2000  
HOURS (L. S. T.)

[illegible]

## PSYCHROMETRIC SUMMARY

|         |                                  |       |
|---------|----------------------------------|-------|
| 001     | MAUI OPTICAL SITE HI NORTH TOWER | 79-82 |
| STATION | STATION NAME                     |       |

**YEARS**

FEB  
MONTH

PAGE 1 2100-2300  
HOURS (L. S. T.)

| Temp.<br>(F) | WET BULB TEMPERATURE DEPRESSION (F) |            |           |            |          |                                    |        |       |       |       |       |       |       |       |       |       |      |          |          |           | TOTAL<br>D.B./W.B. | TOTAL |  |  |
|--------------|-------------------------------------|------------|-----------|------------|----------|------------------------------------|--------|-------|-------|-------|-------|-------|-------|-------|-------|-------|------|----------|----------|-----------|--------------------|-------|--|--|
|              | 0                                   | 1-2        | 3-4       | 5-6        | 7-8      | 9-10                               | 11-12  | 13-14 | 15-16 | 17-18 | 19-20 | 21-22 | 23-24 | 25-26 | 27-28 | 29-30 | ≥ 31 | Dry Bulb | Wet Bulb | Dew Point |                    |       |  |  |
| 5 / 46       |                                     |            |           |            |          |                                    |        |       |       | .8    | .8    |       |       |       |       |       |      | 2        | 2        |           |                    |       |  |  |
| 46 / 47      |                                     |            |           |            |          |                                    |        |       |       | .8    |       |       |       |       |       |       |      | 1        | 1        |           |                    |       |  |  |
| 46 / 45      |                                     | .8         |           |            |          |                                    |        |       | 1.7   | 1.7   |       |       |       |       |       |       |      | 5        | 5        |           |                    |       |  |  |
| 44 / 43      |                                     | 6.7        |           |            |          |                                    | .8     |       | .8    | 3.3   | 1.7   |       |       |       |       |       |      | 16       | 17       | 3         |                    |       |  |  |
| 42 / 41      | .8                                  | 7.5        |           | 1.7        |          | 2.5                                | .8     | .8    | 5.8   |       |       |       |       |       |       |       |      | 24       | 25       | 10        | 7                  |       |  |  |
| 4 / 39       | .8                                  | 4.2        | 2.5       | 3.3        | 4.2      | 1.7                                | .8     | 2.5   | .8    |       |       |       |       |       |       |       |      | 25       | 26       | 9         | 12                 |       |  |  |
| 38 / 37      | 1.7                                 | 2.5        | .8        |            |          | .8                                 | .8     | 8.3   |       |       |       |       |       |       |       |       |      | 18       | 25       | 6         | 6                  |       |  |  |
| 30 / 35      | .8                                  |            | 1.7       | 4.2        | .8       | .8                                 |        | .8    |       |       |       |       |       |       |       |       |      | 11       | 25       | 9         | 4                  |       |  |  |
| 34 / 33      | .8                                  | 3.3        | 1.7       | .8         |          | .8                                 |        | .8    |       |       |       |       |       |       |       |       |      | 10       | 19       | 14        | 2                  |       |  |  |
| 32 / 31      |                                     |            | .8        |            |          | .8                                 |        |       |       |       |       |       |       |       |       |       |      | 2        | 7        | 9         | 8                  |       |  |  |
| 3 / 26       |                                     | 2.5        | .8        |            |          |                                    |        |       |       |       |       |       |       |       |       |       |      | 4        | 5        | 20        | 3                  |       |  |  |
| 26 / 27      |                                     | .8         | .8        |            |          |                                    |        |       |       |       |       |       |       |       |       |       |      | 2        | 3        | 11        | 5                  |       |  |  |
| 25 / 25      |                                     |            |           |            |          |                                    |        |       |       |       |       |       |       |       |       |       |      |          | 1        | 17        | 5                  |       |  |  |
| 24 / 23      |                                     |            |           |            |          |                                    |        |       |       |       |       |       |       |       |       |       |      |          |          | 10        | 5                  |       |  |  |
| 22 / 21      |                                     |            |           |            |          |                                    |        |       |       |       |       |       |       |       |       |       |      |          |          |           | 2                  |       |  |  |
| 21 / 19      |                                     |            |           |            |          |                                    |        |       |       |       |       |       |       |       |       |       |      |          |          |           | 8                  |       |  |  |
| 18 / 17      |                                     |            |           |            |          |                                    |        |       |       |       |       |       |       |       |       |       |      |          |          |           | 3                  |       |  |  |
| 15 / 15      |                                     |            |           |            |          |                                    |        |       |       |       |       |       |       |       |       |       |      |          |          |           | 4                  |       |  |  |
| 11 / 11      |                                     |            |           |            |          |                                    |        |       |       |       |       |       |       |       |       |       |      |          |          |           | 1                  |       |  |  |
| 9 / 9        |                                     |            |           |            |          |                                    |        |       |       |       |       |       |       |       |       |       |      |          |          |           | 2                  |       |  |  |
| 8 / 7        |                                     |            |           |            |          |                                    |        |       |       |       |       |       |       |       |       |       |      |          |          |           | 2                  |       |  |  |
| 6 / 6        |                                     |            |           |            |          |                                    |        |       |       |       |       |       |       |       |       |       |      |          |          |           | 1                  |       |  |  |
| 4 / 3        |                                     |            |           |            |          |                                    |        |       |       |       |       |       |       |       |       |       |      |          |          |           | 2                  |       |  |  |
| 3 / -        |                                     |            |           |            |          |                                    |        |       |       |       |       |       |       |       |       |       |      |          |          |           | 1                  |       |  |  |
| - / -3       |                                     |            |           |            |          |                                    |        |       |       |       |       |       |       |       |       |       |      |          |          |           | 1                  |       |  |  |
| -4 / -5      |                                     |            |           |            |          |                                    |        |       |       |       |       |       |       |       |       |       |      |          |          |           | 3                  |       |  |  |
| -6 / -7      |                                     |            |           |            |          |                                    |        |       |       |       |       |       |       |       |       |       |      |          |          |           | 2                  |       |  |  |
| -8 / -9      |                                     |            |           |            |          |                                    |        |       |       |       |       |       |       |       |       |       |      |          |          |           | 2                  |       |  |  |
| - / -11      |                                     |            |           |            |          |                                    |        |       |       |       |       |       |       |       |       |       |      |          |          |           | 1                  |       |  |  |
| -1 / -13     |                                     |            |           |            |          |                                    |        |       |       |       |       |       |       |       |       |       |      |          |          |           | 3                  |       |  |  |
| -14 / -15    |                                     |            |           |            |          |                                    |        |       |       |       |       |       |       |       |       |       |      |          |          |           | 1                  |       |  |  |
| - / -17      |                                     |            |           |            |          |                                    |        |       |       |       |       |       |       |       |       |       |      |          |          |           | 2                  |       |  |  |
| -18 / -19    |                                     |            |           |            |          |                                    |        |       |       |       |       |       |       |       |       |       |      |          |          |           | 3                  |       |  |  |
| - / -21      |                                     |            |           |            |          |                                    |        |       |       |       |       |       |       |       |       |       |      |          |          |           | 6                  |       |  |  |
| Element (X)  | $\Sigma X^2$                        | $\Sigma X$ | $\bar{X}$ | $\sigma_x$ | No. Obs. | Mean No. of Hours with Temperature |        |       |       |       |       |       |       |       |       |       |      |          |          |           |                    |       |  |  |
| Rel. Hum.    |                                     |            |           |            |          | ≤ 0 F                              | ≤ 32 F |       |       |       |       |       |       |       |       |       |      |          |          |           |                    |       |  |  |



## PSYCHROMETRIC SUMMARY

\_\_\_\_\_  
YEARS

\_\_\_\_\_  
FEB  
MONTH

PAGE 2 2100-2300  
HOURS (L. S. T.)

[illegible]



## PSYCHROMETRIC SUMMARY

FEB

**MONTH**

ALL

**HOURS (L. S. T.)**

REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

0-26-5 (OLA)

**USAFETAC**



## PSYCHROMETRIC SUMMARY

MAR  
MONTH

PAGE 2 0000-0200  
HOURS (L. S. T.)

[illegible]

USAFETAC FORM 0-26-5 (OLA) REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

# PSYCHROMETRIC SUMMARY

0301  
STATION

MAUI OPTICAL SITE HI NORTH TOWER  
STATION NAME

79-83  
YEARS

MAR  
MONTH

PAGE 1 0300-0500  
HOURS (L. S. T.)

| Temp.<br>(F) | WET BULB TEMPERATURE DEPRESSION (F) |     |     |     |     |      |                |       |          |       |                                    |        |        |        |        |        |      |           | TOTAL    | TOTAL    |           |  |
|--------------|-------------------------------------|-----|-----|-----|-----|------|----------------|-------|----------|-------|------------------------------------|--------|--------|--------|--------|--------|------|-----------|----------|----------|-----------|--|
|              | 0                                   | 1-2 | 3-4 | 5-6 | 7-8 | 9-10 | 11-12          | 13-14 | 15-16    | 17-18 | 19-20                              | 21-22  | 23-24  | 25-26  | 27-28  | 29-30  | ≥ 31 | D.B./W.B. | Dry Bulb | Wet Bulb | Dew Point |  |
| 5 / 45       |                                     |     |     |     |     |      |                |       | .7       | 1.5   |                                    |        |        |        |        |        |      | 3         | 3        |          |           |  |
| 46 / 47      |                                     |     |     |     |     |      |                | 1.5   | 2.9      |       |                                    |        |        |        |        |        |      | 6         | 6        |          |           |  |
| 46 / 45      |                                     |     |     |     |     |      | 1.5            | 1.5   | 4.4      | .7    |                                    |        |        |        |        |        |      | 11        | 11       |          |           |  |
| 44 / 43      |                                     | .7  |     |     | 1.5 | .7   | 2.9            | 2.9   | 11.8     |       |                                    |        |        |        |        |        |      | 28        | 28       |          |           |  |
| 42 / 41      |                                     | 3.7 |     |     | 4.4 | 1.5  | 5.1            | 8.1   | 6.6      |       |                                    |        |        |        |        |        |      | 40        | 40       | 3        | 1         |  |
| 41 / 39      | .7                                  | 2.9 | .7  | .7  |     | 1.5  | 3.7            | 5.9   | 2.2      |       |                                    |        |        |        |        |        |      | 25        | 25       | 8        | 7         |  |
| 39 / 37      | .7                                  |     |     | .7  | 1.5 | .7   | 2.9            | .7    |          |       |                                    |        |        |        |        |        |      | 10        | 10       | 1        | 4         |  |
| 37 / 35      | 2.2                                 | 1.5 |     |     |     | 2.2  | 1.5            |       |          |       |                                    |        |        |        |        |        |      | 10        | 10       | 10       | 3         |  |
| 34 / 33      |                                     | .7  |     |     |     | .7   |                |       |          |       |                                    |        |        |        |        |        |      | 2         | 2        | 14       | 1         |  |
| 32 / 31      |                                     |     |     |     |     |      |                |       |          |       |                                    |        |        |        |        |        |      |           |          | 15       | 1         |  |
| 30 / 29      |                                     |     |     |     |     |      |                |       |          |       |                                    |        |        |        |        |        |      |           |          | 21       | 1         |  |
| 29 / 27      |                                     |     |     |     |     |      |                |       |          |       |                                    |        |        |        |        |        |      |           |          | 46       | 5         |  |
| 27 / 25      |                                     |     |     |     |     |      |                |       |          |       |                                    |        |        |        |        |        |      |           |          | 15       | 2         |  |
| 24 / 23      |                                     |     |     |     |     |      |                |       |          |       |                                    |        |        |        |        |        |      |           |          | 2        | 3         |  |
| 22 / 21      |                                     | .7  |     |     |     |      |                |       |          |       |                                    |        |        |        |        |        |      | 1         | 1        |          | 2         |  |
| 20 / 19      |                                     |     |     |     |     |      |                |       |          |       |                                    |        |        |        |        |        |      |           |          | 1        | 2         |  |
| 18 / 17      |                                     |     |     |     |     |      |                |       |          |       |                                    |        |        |        |        |        |      |           |          |          | 2         |  |
| 16 / 15      |                                     |     |     |     |     |      |                |       |          |       |                                    |        |        |        |        |        |      |           |          |          | 3         |  |
| 14 / 13      |                                     |     |     |     |     |      |                |       |          |       |                                    |        |        |        |        |        |      |           |          |          | 8         |  |
| 12 / 11      |                                     |     |     |     |     |      |                |       |          |       |                                    |        |        |        |        |        |      |           |          |          | 7         |  |
| 10 / 9       |                                     |     |     |     |     |      |                |       |          |       |                                    |        |        |        |        |        |      |           |          |          | 5         |  |
| 8 / 7        |                                     |     |     |     |     |      |                |       |          |       |                                    |        |        |        |        |        |      |           |          |          | 5         |  |
| 6 / 5        |                                     |     |     |     |     |      |                |       |          |       |                                    |        |        |        |        |        |      |           |          |          | 5         |  |
| 4 / 3        |                                     |     |     |     |     |      |                |       |          |       |                                    |        |        |        |        |        |      |           |          |          | 7         |  |
| 2 / 1        |                                     |     |     |     |     |      |                |       |          |       |                                    |        |        |        |        |        |      |           |          |          | 8         |  |
| 0 / -1       |                                     |     |     |     |     |      |                |       |          |       |                                    |        |        |        |        |        |      |           |          |          | 9         |  |
| -1 / -3      |                                     |     |     |     |     |      |                |       |          |       |                                    |        |        |        |        |        |      |           |          |          | 5         |  |
| -1 / -5      |                                     |     |     |     |     |      |                |       |          |       |                                    |        |        |        |        |        |      |           |          |          | 9         |  |
| -1 / -7      |                                     |     |     |     |     |      |                |       |          |       |                                    |        |        |        |        |        |      |           |          |          | 5         |  |
| -3 / -9      |                                     |     |     |     |     |      |                |       |          |       |                                    |        |        |        |        |        |      |           |          |          | 6         |  |
| -1 / -11     |                                     |     |     |     |     |      |                |       |          |       |                                    |        |        |        |        |        |      |           |          |          | 3         |  |
| -1 / -13     |                                     |     |     |     |     |      |                |       |          |       |                                    |        |        |        |        |        |      |           |          |          | 2         |  |
| -14 / -15    |                                     |     |     |     |     |      |                |       |          |       |                                    |        |        |        |        |        |      |           |          |          | 2         |  |
| -15 / -17    |                                     |     |     |     |     |      |                |       |          |       |                                    |        |        |        |        |        |      |           |          |          | 1         |  |
| Element (X)  | Σ X <sup>2</sup>                    |     | Σ X |     | X̄  |      | s <sub>x</sub> |       | No. Obs. |       | Mean No. of Hours with Temperature |        |        |        |        |        |      |           |          |          | Total     |  |
| Rel. Hum.    |                                     |     |     |     |     |      |                |       |          |       | ≤ 0 F                              | ≤ 32 F | ≥ 67 F | ≥ 73 F | ≥ 80 F | ≥ 93 F |      |           |          |          | Total     |  |
| Dry Bulb     |                                     |     |     |     |     |      |                |       |          |       |                                    |        |        |        |        |        |      |           |          |          |           |  |
| Wet Bulb     |                                     |     |     |     |     |      |                |       |          |       |                                    |        |        |        |        |        |      |           |          |          |           |  |
| Dew Point    |                                     |     |     |     |     |      |                |       |          |       |                                    |        |        |        |        |        |      |           |          |          |           |  |

## PSYCHROMETRIC SUMMARY

MAR  
MONTH

PAGE 2 0300-0500  
HOURS (L. S. T.)

[illegible]

USAFETAC FORM 0-26-5 (OLA)  
REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
ALL WEATHER SERVICE/MAC

# PSYCHROMETRIC SUMMARY

0001 MAUI OPTICAL SITE HI NORTH TOWER 79-80

MAR  
MONTH

PAGE 1 0600-0800  
HOURS (L. S. T.)

| Temp.<br>(F) | WET BULB TEMPERATURE DEPRESSION (F) |     |            |     |           |      |            |       |          |       |                                    |        |        |        |        |        |       |          |          | TOTAL<br>D.B./W.B. | TOTAL |  |  |
|--------------|-------------------------------------|-----|------------|-----|-----------|------|------------|-------|----------|-------|------------------------------------|--------|--------|--------|--------|--------|-------|----------|----------|--------------------|-------|--|--|
|              | 0                                   | 1-2 | 3-4        | 5-6 | 7-8       | 9-10 | 11-12      | 13-14 | 15-16    | 17-18 | 19-20                              | 21-22  | 23-24  | 25-26  | 27-28  | 29-30  | ≥ 31  | Dry Bulb | Wet Bulb | Dew Point          |       |  |  |
| 46/ 47       |                                     |     |            |     |           |      |            | 1.5   | 1.5      | 3.0   |                                    |        |        |        |        |        |       | 8        | 8        |                    |       |  |  |
| 46/ 45       |                                     |     |            |     | .8        |      | 3.0        | 5.3   | 5.3      | 1.5   |                                    |        |        |        |        |        |       | 21       | 21       |                    |       |  |  |
| 44/ 43       |                                     | 1.5 |            |     |           | .8   | .8         | 4.5   | 8.3      |       |                                    |        |        |        |        |        |       | 21       | 21       | 1                  |       |  |  |
| 42/ 41       |                                     | .8  | .8         |     | 2.3       | 1.5  | 2.3        | 9.8   | 6.1      |       |                                    |        |        |        |        |        |       | 31       | 31       | 2                  | 3     |  |  |
| 40/ 39       | .8                                  | 6.1 |            |     |           | 2.3  | 4.5        | 4.5   | .8       |       |                                    |        |        |        |        |        |       | 25       | 25       | 4                  |       |  |  |
| 38/ 37       | 2.3                                 | 2.3 |            | .8  | 2.3       | 1.5  | 1.5        | 2.3   |          |       |                                    |        |        |        |        |        |       | 17       | 17       | 10                 | 6     |  |  |
| 36/ 35       | .8                                  |     |            | .8  |           |      | .8         |       |          |       |                                    |        |        |        |        |        |       | 3        | 4        | 4                  | 6     |  |  |
| 34/ 33       |                                     |     |            | .8  |           |      | .8         | .3    |          |       |                                    |        |        |        |        |        |       | 3        | 3        | 14                 | 3     |  |  |
| 32/ 31       |                                     |     |            |     |           | .8   |            |       |          |       |                                    |        |        |        |        |        |       | 1        | 1        | 15                 |       |  |  |
| 30/ 29       |                                     |     |            |     | .8        | .8   |            |       |          |       |                                    |        |        |        |        |        |       | 2        | 2        | 26                 |       |  |  |
| 28/ 27       |                                     |     |            |     |           |      |            |       |          |       |                                    |        |        |        |        |        |       |          |          | 38                 |       |  |  |
| 26/ 25       |                                     |     |            |     |           |      |            |       |          |       |                                    |        |        |        |        |        |       |          |          | 11                 | 3     |  |  |
| 24/ 23       |                                     |     |            |     |           |      |            |       |          |       |                                    |        |        |        |        |        |       |          |          | 2                  | 1     |  |  |
| 22/ 21       |                                     |     |            |     |           |      |            |       |          |       |                                    |        |        |        |        |        |       |          |          | 4                  | 4     |  |  |
| 20/ 19       |                                     |     |            |     |           |      |            |       |          |       |                                    |        |        |        |        |        |       |          |          | 1                  | 3     |  |  |
| 18/ 17       |                                     |     |            |     |           |      |            |       |          |       |                                    |        |        |        |        |        |       |          |          |                    | 3     |  |  |
| 16/ 15       |                                     |     |            |     |           |      |            |       |          |       |                                    |        |        |        |        |        |       |          |          |                    | 2     |  |  |
| 14/ 13       |                                     |     |            |     |           |      |            |       |          |       |                                    |        |        |        |        |        |       |          |          |                    | 5     |  |  |
| 12/ 11       |                                     |     |            |     |           |      |            |       |          |       |                                    |        |        |        |        |        |       |          |          |                    | 9     |  |  |
| 10/ 9        |                                     |     |            |     |           |      |            |       |          |       |                                    |        |        |        |        |        |       |          |          |                    | 6     |  |  |
| 8/ 7         |                                     |     |            |     |           |      |            |       |          |       |                                    |        |        |        |        |        |       |          |          |                    | 3     |  |  |
| 6/ 5         |                                     |     |            |     |           |      |            |       |          |       |                                    |        |        |        |        |        |       |          |          |                    | 3     |  |  |
| 4/ 3         |                                     |     |            |     |           |      |            |       |          |       |                                    |        |        |        |        |        |       |          |          |                    | 9     |  |  |
| 2/ 1         |                                     |     |            |     |           |      |            |       |          |       |                                    |        |        |        |        |        |       |          |          |                    | 8     |  |  |
| 0/ -1        |                                     |     |            |     |           |      |            |       |          |       |                                    |        |        |        |        |        |       |          |          |                    | 5     |  |  |
| -2/ -3       |                                     |     |            |     |           |      |            |       |          |       |                                    |        |        |        |        |        |       |          |          |                    | 12    |  |  |
| -4/ -5       |                                     |     |            |     |           |      |            |       |          |       |                                    |        |        |        |        |        |       |          |          |                    | 5     |  |  |
| -6/ -7       |                                     |     |            |     |           |      |            |       |          |       |                                    |        |        |        |        |        |       |          |          |                    | 3     |  |  |
| -8/ -9       |                                     |     |            |     |           |      |            |       |          |       |                                    |        |        |        |        |        |       |          |          |                    | 4     |  |  |
| -10/ -11     |                                     |     |            |     |           |      |            |       |          |       |                                    |        |        |        |        |        |       |          |          |                    | 3     |  |  |
| -12/ -13     |                                     |     |            |     |           |      |            |       |          |       |                                    |        |        |        |        |        |       |          |          |                    | 2     |  |  |
| -14/ -15     |                                     |     |            |     |           |      |            |       |          |       |                                    |        |        |        |        |        |       |          |          |                    | 3     |  |  |
| -16/ -17     |                                     |     |            |     |           |      |            |       |          |       |                                    |        |        |        |        |        |       |          |          |                    | 1     |  |  |
| -18/ -19     |                                     |     |            |     |           |      |            |       |          |       |                                    |        |        |        |        |        |       |          |          |                    | 1     |  |  |
| -20/ -21     |                                     |     |            |     |           |      |            |       |          |       |                                    |        |        |        |        |        |       |          |          |                    | 1     |  |  |
| Element (X)  | $\Sigma X^2$                        |     | $\Sigma X$ |     | $\bar{X}$ |      | $\sigma^2$ |       | No. Obs. |       | Mean No. of Hours with Temperature |        |        |        |        |        | Total |          |          |                    |       |  |  |
| Rel. Hum.    |                                     |     |            |     |           |      |            |       |          |       | ≤ 0 F                              | ≤ 32 F | ≥ 67 F | ≥ 73 F | ≥ 80 F | ≥ 93 F |       |          |          |                    |       |  |  |
| Dry Bulb     |                                     |     |            |     |           |      |            |       |          |       |                                    |        |        |        |        |        |       |          |          |                    |       |  |  |
| Wet Bulb     |                                     |     |            |     |           |      |            |       |          |       |                                    |        |        |        |        |        |       |          |          |                    |       |  |  |
| Dew Point    |                                     |     |            |     |           |      |            |       |          |       |                                    |        |        |        |        |        |       |          |          |                    |       |  |  |



## PSYCHROMETRIC SUMMARY

MAR

**MONTH**

HOURS (L, S, T.)

USAFETAC FORM 0-26-5 (OL A) JUL 64

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

# PSYCHROMETRIC SUMMARY

0001 MAUI OPTICAL SITE HI NORTH TOWER 79-80

MAR  
MONTH

PAGE 1 0900-1100  
HOURS (L. S. T.)

| Temp.<br>(F) | WET BULB TEMPERATURE DEPRESSION (F) |     |            |     |           |      |            |       |          |       |                                    |        |        |        |        |        |      | TOTAL<br>D.B./W.B. | TOTAL    |           |  |
|--------------|-------------------------------------|-----|------------|-----|-----------|------|------------|-------|----------|-------|------------------------------------|--------|--------|--------|--------|--------|------|--------------------|----------|-----------|--|
|              | 0                                   | 1-2 | 3-4        | 5-6 | 7-8       | 9-10 | 11-12      | 13-14 | 15-16    | 17-18 | 19-20                              | 21-22  | 23-24  | 25-26  | 27-28  | 29-30  | ≥ 31 | Dry Bulb           | Wet Bulb | Dew Point |  |
| 4/ 53        |                                     |     |            |     |           |      |            | .8    |          |       |                                    |        |        |        |        |        |      | 1                  | 1        |           |  |
| 5/ 51        |                                     |     |            |     |           |      |            | .8    | 1.6      | .8    |                                    |        |        |        |        |        |      | 4                  | 4        |           |  |
| 5/ 49        |                                     |     |            |     |           |      | 3.1        | 3.1   | 7.7      | 3.1   |                                    |        |        |        |        |        |      | 21                 | 21       |           |  |
| 4/ 47        |                                     |     |            |     |           | .8   | 2.3        | 2.3   | 6.2      | 10.1  |                                    |        |        |        |        |        |      | 28                 | 28       |           |  |
| 4/ 45        |                                     | 1.6 | .8         |     |           | .8   | 3.9        | 4.7   | 6.2      | 2.3   |                                    |        |        |        |        |        |      | 26                 | 26       |           |  |
| 4/ 43        |                                     | 2.3 | 3.1        |     |           | .8   | 1.6        | 3.9   | 1.6      |       |                                    |        |        |        |        |        |      | 17                 | 17       | 3         |  |
| 2/ 41        |                                     | 5.4 | .8         | .8  |           | 3.1  | 3.1        | 1.6   |          |       |                                    |        |        |        |        |        |      | 19                 | 19       | 6         |  |
| 1/ 39        | .8                                  | .8  |            |     |           | .8   | 2.3        |       |          |       |                                    |        |        |        |        |        |      | 6                  | 6        | 13        |  |
| 3/ 37        |                                     | .8  |            |     |           |      |            |       |          |       |                                    |        |        |        |        |        |      | 1                  | 1        | 7         |  |
| 2/ 35        | .8                                  | 1.6 |            |     |           |      |            | .8    |          |       |                                    |        |        |        |        |        |      | 4                  | 4        | 17        |  |
| 3+ / 33      |                                     |     | .8         |     |           |      |            |       |          |       |                                    |        |        |        |        |        |      | 1                  | 1        | 22        |  |
| 2/ 31        |                                     | .8  |            |     |           |      |            |       |          |       |                                    |        |        |        |        |        |      | 1                  | 1        | 25        |  |
| 1/ 29        |                                     |     |            |     |           |      |            |       |          |       |                                    |        |        |        |        |        |      |                    |          | 30        |  |
| 1/ 27        |                                     |     |            |     |           |      |            |       |          |       |                                    |        |        |        |        |        |      |                    |          | 5         |  |
| 1/ 25        |                                     |     |            |     |           |      |            |       |          |       |                                    |        |        |        |        |        |      |                    |          |           |  |
| 14/ 23       |                                     |     |            |     |           |      |            |       |          |       |                                    |        |        |        |        |        |      |                    |          | 3         |  |
| 12/ 21       |                                     |     |            |     |           |      |            |       |          |       |                                    |        |        |        |        |        |      |                    |          | 4         |  |
| 1/ 19        |                                     |     |            |     |           |      |            |       |          |       |                                    |        |        |        |        |        |      |                    |          | 1         |  |
| 10/ 17       |                                     |     |            |     |           |      |            |       |          |       |                                    |        |        |        |        |        |      |                    |          | 5         |  |
| 16/ 15       |                                     |     |            |     |           |      |            |       |          |       |                                    |        |        |        |        |        |      |                    |          | 5         |  |
| 14/ 13       |                                     |     |            |     |           |      |            |       |          |       |                                    |        |        |        |        |        |      |                    |          | 8         |  |
| 12/ 11       |                                     |     |            |     |           |      |            |       |          |       |                                    |        |        |        |        |        |      |                    |          | 6         |  |
| 1/ 9         |                                     |     |            |     |           |      |            |       |          |       |                                    |        |        |        |        |        |      |                    |          | 9         |  |
| 8/ 7         |                                     |     |            |     |           |      |            |       |          |       |                                    |        |        |        |        |        |      |                    |          | 7         |  |
| 6/ 5         |                                     |     |            |     |           |      |            |       |          |       |                                    |        |        |        |        |        |      |                    |          | 6         |  |
| 4/ 3         |                                     |     |            |     |           |      |            |       |          |       |                                    |        |        |        |        |        |      |                    |          | 7         |  |
| 2/ 1         |                                     |     |            |     |           |      |            |       |          |       |                                    |        |        |        |        |        |      |                    |          | 4         |  |
| 1/ -1        |                                     |     |            |     |           |      |            |       |          |       |                                    |        |        |        |        |        |      |                    |          | 9         |  |
| -1/ -3       |                                     |     |            |     |           |      |            |       |          |       |                                    |        |        |        |        |        |      |                    |          | 5         |  |
| -4/ -5       |                                     |     |            |     |           |      |            |       |          |       |                                    |        |        |        |        |        |      |                    |          | 6         |  |
| -6/ -7       |                                     |     |            |     |           |      |            |       |          |       |                                    |        |        |        |        |        |      |                    |          | 1         |  |
| -3/ -9       |                                     |     |            |     |           |      |            |       |          |       |                                    |        |        |        |        |        |      |                    |          | 3         |  |
| -1/ -11      |                                     |     |            |     |           |      |            |       |          |       |                                    |        |        |        |        |        |      |                    |          | 4         |  |
| -10/ -17     |                                     |     |            |     |           |      |            |       |          |       |                                    |        |        |        |        |        |      |                    |          | 1         |  |
| Element (X)  | $\Sigma X^2$                        |     | $\Sigma X$ |     | $\bar{X}$ |      | $\sigma_x$ |       | No. Obs. |       | Mean No. of Hours with Temperature |        |        |        |        |        |      | Total              |          |           |  |
| Rel. Hum.    |                                     |     |            |     |           |      |            |       |          |       | ≤ 0 F                              | ≤ 32 F | ≥ 67 F | ≥ 73 F | ≥ 80 F | ≥ 93 F |      |                    |          |           |  |
| Dry Bulb     |                                     |     |            |     |           |      |            |       |          |       |                                    |        |        |        |        |        |      |                    |          |           |  |
| Wet Bulb     |                                     |     |            |     |           |      |            |       |          |       |                                    |        |        |        |        |        |      |                    |          |           |  |
| Dew Point    |                                     |     |            |     |           |      |            |       |          |       |                                    |        |        |        |        |        |      |                    |          |           |  |

USAFETAC FORM 0-26-5 (OL A) REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE JUL 64

## PSYCHROMETRIC SUMMARY

MAR  
MONTH

PAGE 2 0900-1100  
HOURS (L. S. T.)

[illegible]

USAFETAC  
FORM  
MIL 44  
0-26-5 (OL A)  
REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

## PSYCHROMETRIC SUMMARY

**YEARS**

     MAR       
MONTH

PAGE 1 1200-1400  
HOURS (L. S. T.)

USAFETAC FORM 0-26-5 (PLA)

## PSYCHROMETRIC SUMMARY

| STATION | STATION NAME                     |       |
|---------|----------------------------------|-------|
| 0001    | MAUI OPTICAL SITE HI NORTH TOWER | 79-80 |

MAR  
MONTH

PAGE 7 1200-1400  
HOURS (L. S. T.)

| Temp.<br>(F) | WET BULB TEMPERATURE DEPRESSION (F) |      |     |     |     |      |       |       |       |       |       |       |       |       |       |       |      | TOTAL     | TOTAL    |          |           |
|--------------|-------------------------------------|------|-----|-----|-----|------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|------|-----------|----------|----------|-----------|
|              | 0                                   | 1-2  | 3-4 | 5-6 | 7-8 | 9-10 | 11-12 | 13-14 | 15-16 | 17-18 | 19-20 | 21-22 | 23-24 | 25-26 | 27-28 | 29-30 | ≥ 31 | D.B./W.B. | Dry Bulb | Wet Bulb | Dew Point |
| -1/-13       |                                     |      |     |     |     |      |       |       |       |       |       |       |       |       |       |       |      |           |          |          | 3         |
| -1/-19       |                                     |      |     |     |     |      |       |       |       |       |       |       |       |       |       |       |      |           |          |          | 1         |
| -7/-21       |                                     |      |     |     |     |      |       |       |       |       |       |       |       |       |       |       |      |           |          |          | 1         |
| TOTAL        | .8                                  | 12.7 | 2.4 | 3.2 | 7.9 | 7.1  | 17.5  | 13.5  | 14.3  | 15.1  | 5.6   |       |       |       |       |       |      |           | 126      |          | 126       |
|              |                                     |      |     |     |     |      |       |       |       |       |       |       |       |       |       |       |      |           |          |          |           |
|              |                                     |      |     |     |     |      |       |       |       |       |       |       |       |       |       |       |      |           |          |          |           |
|              |                                     |      |     |     |     |      |       |       |       |       |       |       |       |       |       |       |      |           |          |          |           |
|              |                                     |      |     |     |     |      |       |       |       |       |       |       |       |       |       |       |      |           |          |          |           |
|              |                                     |      |     |     |     |      |       |       |       |       |       |       |       |       |       |       |      |           |          |          |           |
|              |                                     |      |     |     |     |      |       |       |       |       |       |       |       |       |       |       |      |           |          |          |           |
|              |                                     |      |     |     |     |      |       |       |       |       |       |       |       |       |       |       |      |           |          |          |           |
|              |                                     |      |     |     |     |      |       |       |       |       |       |       |       |       |       |       |      |           |          |          |           |
|              |                                     |      |     |     |     |      |       |       |       |       |       |       |       |       |       |       |      |           |          |          |           |
|              |                                     |      |     |     |     |      |       |       |       |       |       |       |       |       |       |       |      |           |          |          |           |
|              |                                     |      |     |     |     |      |       |       |       |       |       |       |       |       |       |       |      |           |          |          |           |
|              |                                     |      |     |     |     |      |       |       |       |       |       |       |       |       |       |       |      |           |          |          |           |
|              |                                     |      |     |     |     |      |       |       |       |       |       |       |       |       |       |       |      |           |          |          |           |
|              |                                     |      |     |     |     |      |       |       |       |       |       |       |       |       |       |       |      |           |          |          |           |
|              |                                     |      |     |     |     |      |       |       |       |       |       |       |       |       |       |       |      |           |          |          |           |
|              |                                     |      |     |     |     |      |       |       |       |       |       |       |       |       |       |       |      |           |          |          |           |
|              |                                     |      |     |     |     |      |       |       |       |       |       |       |       |       |       |       |      |           |          |          |           |
|              |                                     |      |     |     |     |      |       |       |       |       |       |       |       |       |       |       |      |           |          |          |           |
|              |                                     |      |     |     |     |      |       |       |       |       |       |       |       |       |       |       |      |           |          |          |           |
|              |                                     |      |     |     |     |      |       |       |       |       |       |       |       |       |       |       |      |           |          |          |           |
|              |                                     |      |     |     |     |      |       |       |       |       |       |       |       |       |       |       |      |           |          |          |           |
|              |                                     |      |     |     |     |      |       |       |       |       |       |       |       |       |       |       |      |           |          |          |           |
|              |                                     |      |     |     |     |      |       |       |       |       |       |       |       |       |       |       |      |           |          |          |           |
|              |                                     |      |     |     |     |      |       |       |       |       |       |       |       |       |       |       |      |           |          |          |           |
|              |                                     |      |     |     |     |      |       |       |       |       |       |       |       |       |       |       |      |           |          |          |           |
|              |                                     |      |     |     |     |      |       |       |       |       |       |       |       |       |       |       |      |           |          |          |           |
|              |                                     |      |     |     |     |      |       |       |       |       |       |       |       |       |       |       |      |           |          |          |           |
|              |                                     |      |     |     |     |      |       |       |       |       |       |       |       |       |       |       |      |           |          |          |           |
|              |                                     |      |     |     |     |      |       |       |       |       |       |       |       |       |       |       |      |           |          |          |           |
|              |                                     |      |     |     |     |      |       |       |       |       |       |       |       |       |       |       |      |           |          |          |           |
|              |                                     |      |     |     |     |      |       |       |       |       |       |       |       |       |       |       |      |           |          |          |           |
|              |                                     |      |     |     |     |      |       |       |       |       |       |       |       |       |       |       |      |           |          |          |           |
|              |                                     |      |     |     |     |      |       |       |       |       |       |       |       |       |       |       |      |           |          |          |           |
|              |                                     |      |     |     |     |      |       |       |       |       |       |       |       |       |       |       |      |           |          |          |           |
|              |                                     |      |     |     |     |      |       |       |       |       |       |       |       |       |       |       |      |           |          |          |           |
|              |                                     |      |     |     |     |      |       |       |       |       |       |       |       |       |       |       |      |           |          |          |           |
|              |                                     |      |     |     |     |      |       |       |       |       |       |       |       |       |       |       |      |           |          |          |           |
|              |                                     |      |     |     |     |      |       |       |       |       |       |       |       |       |       |       |      |           |          |          |           |
|              |                                     |      |     |     |     |      |       |       |       |       |       |       |       |       |       |       |      |           |          |          |           |
|              |                                     |      |     |     |     |      |       |       |       |       |       |       |       |       |       |       |      |           |          |          |           |
|              |                                     |      |     |     |     |      |       |       |       |       |       |       |       |       |       |       |      |           |          |          |           |
|              |                                     |      |     |     |     |      |       |       |       |       |       |       |       |       |       |       |      |           |          |          |           |
|              |                                     |      |     |     |     |      |       |       |       |       |       |       |       |       |       |       |      |           |          |          |           |
|              |                                     |      |     |     |     |      |       |       |       |       |       |       |       |       |       |       |      |           |          |          |           |
|              |                                     |      |     |     |     |      |       |       |       |       |       |       |       |       |       |       |      |           |          |          |           |
|              |                                     |      |     |     |     |      |       |       |       |       |       |       |       |       |       |       |      |           |          |          |           |
|              |                                     |      |     |     |     |      |       |       |       |       |       |       |       |       |       |       |      |           |          |          |           |
|              |                                     |      |     |     |     |      |       |       |       |       |       |       |       |       |       |       |      |           |          |          |           |
|              |                                     |      |     |     |     |      |       |       |       |       |       |       |       |       |       |       |      |           |          |          |           |
|              |                                     |      |     |     |     |      |       |       |       |       |       |       |       |       |       |       |      |           |          |          |           |
|              |                                     |      |     |     |     |      |       |       |       |       |       |       |       |       |       |       |      |           |          |          |           |
|              |                                     |      |     |     |     |      |       |       |       |       |       |       |       |       |       |       |      |           |          |          |           |
|              |                                     |      |     |     |     |      |       |       |       |       |       |       |       |       |       |       |      |           |          |          |           |



## PSYCHROMETRIC SUMMARY

MAR  
MONTH

PAGE 2 1500-1700  
HOURS (L. S. T.)

| Temp<br>(F) | WET BULB TEMPERATURE DEPRESSION (F) |      |     |     |     |      |       |       |       |       |       |       |       |       |       |       |      |           | TOTAL    | TOTAL    |           |  |
|-------------|-------------------------------------|------|-----|-----|-----|------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|------|-----------|----------|----------|-----------|--|
|             | 0                                   | 1-2  | 3-4 | 5-6 | 7-8 | 9-10 | 11-12 | 13-14 | 15-16 | 17-18 | 19-20 | 21-22 | 23-24 | 25-26 | 27-28 | 29-30 | ≥ 31 | D.B./W.B. | Dry Bulb | Wet Bulb | Dew Point |  |
| -1/-17      |                                     |      |     |     |     |      |       |       |       |       |       |       |       |       |       |       |      |           |          |          | ?         |  |
| -1/-19      |                                     |      |     |     |     |      |       |       |       |       |       |       |       |       |       |       |      |           |          |          | 1         |  |
| -1/-27      |                                     |      |     |     |     |      |       |       |       |       |       |       |       |       |       |       |      |           |          |          | 1         |  |
| TOTAL       | 1.4                                 | 10.7 | 6.9 | 3.1 | 7.0 | 9.2  | 14.5  | 10.7  | 24.4  | 10.7  | .8    |       |       |       |       |       |      |           | 131      | 132      | 131       |  |
|             |                                     |      |     |     |     |      |       |       |       |       |       |       |       |       |       |       |      |           | 131      |          | 131       |  |
|             |                                     |      |     |     |     |      |       |       |       |       |       |       |       |       |       |       |      |           |          |          |           |  |
|             |                                     |      |     |     |     |      |       |       |       |       |       |       |       |       |       |       |      |           |          |          |           |  |
|             |                                     |      |     |     |     |      |       |       |       |       |       |       |       |       |       |       |      |           |          |          |           |  |
|             |                                     |      |     |     |     |      |       |       |       |       |       |       |       |       |       |       |      |           |          |          |           |  |
|             |                                     |      |     |     |     |      |       |       |       |       |       |       |       |       |       |       |      |           |          |          |           |  |
|             |                                     |      |     |     |     |      |       |       |       |       |       |       |       |       |       |       |      |           |          |          |           |  |
|             |                                     |      |     |     |     |      |       |       |       |       |       |       |       |       |       |       |      |           |          |          |           |  |
|             |                                     |      |     |     |     |      |       |       |       |       |       |       |       |       |       |       |      |           |          |          |           |  |
|             |                                     |      |     |     |     |      |       |       |       |       |       |       |       |       |       |       |      |           |          |          |           |  |
|             |                                     |      |     |     |     |      |       |       |       |       |       |       |       |       |       |       |      |           |          |          |           |  |
|             |                                     |      |     |     |     |      |       |       |       |       |       |       |       |       |       |       |      |           |          |          |           |  |
|             |                                     |      |     |     |     |      |       |       |       |       |       |       |       |       |       |       |      |           |          |          |           |  |
|             |                                     |      |     |     |     |      |       |       |       |       |       |       |       |       |       |       |      |           |          |          |           |  |
|             |                                     |      |     |     |     |      |       |       |       |       |       |       |       |       |       |       |      |           |          |          |           |  |
|             |                                     |      |     |     |     |      |       |       |       |       |       |       |       |       |       |       |      |           |          |          |           |  |
|             |                                     |      |     |     |     |      |       |       |       |       |       |       |       |       |       |       |      |           |          |          |           |  |
|             |                                     |      |     |     |     |      |       |       |       |       |       |       |       |       |       |       |      |           |          |          |           |  |
|             |                                     |      |     |     |     |      |       |       |       |       |       |       |       |       |       |       |      |           |          |          |           |  |
|             |                                     |      |     |     |     |      |       |       |       |       |       |       |       |       |       |       |      |           |          |          |           |  |
|             |                                     |      |     |     |     |      |       |       |       |       |       |       |       |       |       |       |      |           |          |          |           |  |
|             |                                     |      |     |     |     |      |       |       |       |       |       |       |       |       |       |       |      |           |          |          |           |  |
|             |                                     |      |     |     |     |      |       |       |       |       |       |       |       |       |       |       |      |           |          |          |           |  |
|             |                                     |      |     |     |     |      |       |       |       |       |       |       |       |       |       |       |      |           |          |          |           |  |
|             |                                     |      |     |     |     |      |       |       |       |       |       |       |       |       |       |       |      |           |          |          |           |  |
|             |                                     |      |     |     |     |      |       |       |       |       |       |       |       |       |       |       |      |           |          |          |           |  |
|             |                                     |      |     |     |     |      |       |       |       |       |       |       |       |       |       |       |      |           |          |          |           |  |
|             |                                     |      |     |     |     |      |       |       |       |       |       |       |       |       |       |       |      |           |          |          |           |  |
|             |                                     |      |     |     |     |      |       |       |       |       |       |       |       |       |       |       |      |           |          |          |           |  |
|             |                                     |      |     |     |     |      |       |       |       |       |       |       |       |       |       |       |      |           |          |          |           |  |
|             |                                     |      |     |     |     |      |       |       |       |       |       |       |       |       |       |       |      |           |          |          |           |  |
|             |                                     |      |     |     |     |      |       |       |       |       |       |       |       |       |       |       |      |           |          |          |           |  |
|             |                                     |      |     |     |     |      |       |       |       |       |       |       |       |       |       |       |      |           |          |          |           |  |
|             |                                     |      |     |     |     |      |       |       |       |       |       |       |       |       |       |       |      |           |          |          |           |  |
|             |                                     |      |     |     |     |      |       |       |       |       |       |       |       |       |       |       |      |           |          |          |           |  |
|             |                                     |      |     |     |     |      |       |       |       |       |       |       |       |       |       |       |      |           |          |          |           |  |
|             |                                     |      |     |     |     |      |       |       |       |       |       |       |       |       |       |       |      |           |          |          |           |  |
|             |                                     |      |     |     |     |      |       |       |       |       |       |       |       |       |       |       |      |           |          |          |           |  |
|             |                                     |      |     |     |     |      |       |       |       |       |       |       |       |       |       |       |      |           |          |          |           |  |
|             |                                     |      |     |     |     |      |       |       |       |       |       |       |       |       |       |       |      |           |          |          |           |  |
|             |                                     |      |     |     |     |      |       |       |       |       |       |       |       |       |       |       |      |           |          |          |           |  |
|             |                                     |      |     |     |     |      |       |       |       |       |       |       |       |       |       |       |      |           |          |          |           |  |
|             |                                     |      |     |     |     |      |       |       |       |       |       |       |       |       |       |       |      |           |          |          |           |  |
|             |                                     |      |     |     |     |      |       |       |       |       |       |       |       |       |       |       |      |           |          |          |           |  |
|             |                                     |      |     |     |     |      |       |       |       |       |       |       |       |       |       |       |      |           |          |          |           |  |
|             |                                     |      |     |     |     |      |       |       |       |       |       |       |       |       |       |       |      |           |          |          |           |  |
|             |                                     |      |     |     |     |      |       |       |       |       |       |       |       |       |       |       |      |           |          |          |           |  |
|             |                                     |      |     |     |     |      |       |       |       |       |       |       |       |       |       |       |      |           |          |          |           |  |
|             |                                     |      |     |     |     |      |       |       |       |       |       |       |       |       |       |       |      |           |          |          |           |  |
|             |                                     |      |     |     |     |      |       |       |       |       |       |       |       |       |       |       |      |           |          |          |           |  |
|             |                                     |      |     |     |     |      |       |       |       |       |       |       |       |       |       |       |      |           |          |          |           |  |
|             |                                     |      |     |     |     |      |       |       |       |       |       |       |       |       |       |       |      |           |          |          |           |  |
|             |                                     |      |     |     |     |      |       |       |       |       |       |       |       |       |       |       |      |           |          |          |           |  |

**USAFETAC**  
FORM  
JUL 64  
**0-26-5 (OL A)**  
REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

# PSYCHROMETRIC SUMMARY

1001 MAUI OPTICAL SITE HI NORTH TOWER 79-80

MAR  
MONTH

PAGE 1 1800-2000  
HOURS (L. S. T.)

| Temp.<br>(F) | WET BULB TEMPERATURE DEPRESSION (F) |     |     |     |     |      |       |       |       |       |          |       |                                    |        |        |        |        | TOTAL<br>D.B./W.B. | TOTAL    |           |  |
|--------------|-------------------------------------|-----|-----|-----|-----|------|-------|-------|-------|-------|----------|-------|------------------------------------|--------|--------|--------|--------|--------------------|----------|-----------|--|
|              | 0                                   | 1-2 | 3-4 | 5-6 | 7-8 | 9-10 | 11-12 | 13-14 | 15-16 | 17-18 | 19-20    | 21-22 | 23-24                              | 25-26  | 27-28  | 29-30  | ≥ 31   | Dry Bulb           | Wet Bulb | Dew Point |  |
| 51 / 51      |                                     |     |     |     |     |      |       |       | .7    |       |          |       |                                    |        |        |        |        | 1                  | 1        |           |  |
| 50 / 49      |                                     |     |     |     |     | .7   | .7    |       | 2.2   | .7    |          |       |                                    |        |        |        |        | 6                  | 6        |           |  |
| 49 / 47      |                                     |     |     |     | .7  | .7   | .7    | 5.2   | 4.4   | 1.5   |          |       |                                    |        |        |        |        | 18                 | 18       |           |  |
| 48 / 45      |                                     |     |     |     | .7  | 1.5  |       | 2.2   | 3.0   | 1.5   |          |       |                                    |        |        |        |        | 12                 | 12       |           |  |
| 47 / 43      |                                     |     | .7  |     | 1.5 | 1.5  | .7    | 3.7   | 6.7   | 3.0   |          |       |                                    |        |        |        |        | 24                 | 24       |           |  |
| 46 / 41      |                                     | 5.2 |     | .7  | .7  | 1.5  | 2.2   | 3.7   | 7.4   |       |          |       |                                    |        |        |        |        | 29                 | 29       | 2         |  |
| 45 / 39      | .7                                  | 3.0 |     |     |     | 3.7  | 1.5   | 3.7   | 3.7   |       |          |       |                                    |        |        |        |        | 20                 | 20       | 12        |  |
| 44 / 37      | .7                                  | 3.0 | .7  |     |     | 2.2  | .7    | 3.7   |       |       |          |       |                                    |        |        |        |        | 14                 | 14       | 9         |  |
| 43 / 35      |                                     | 3.0 | .7  |     |     | 1.5  |       |       |       |       |          |       |                                    |        |        |        |        | 7                  | 7        | 11        |  |
| 42 / 33      | .7                                  | .7  |     |     |     |      |       |       |       |       |          |       |                                    |        |        |        |        | 2                  | 2        | 22        |  |
| 41 / 31      |                                     | .7  |     | .7  |     |      |       |       |       |       |          |       |                                    |        |        |        |        | 2                  | 2        | 11        |  |
| 40 / 29      |                                     |     |     |     |     |      |       |       |       |       |          |       |                                    |        |        |        |        |                    |          | 25        |  |
| 39 / 27      |                                     |     |     |     |     |      |       |       |       |       |          |       |                                    |        |        |        |        |                    |          | 21        |  |
| 38 / 25      |                                     |     |     |     |     |      |       |       |       |       |          |       |                                    |        |        |        |        |                    |          | 18        |  |
| 37 / 23      |                                     |     |     |     |     |      |       |       |       |       |          |       |                                    |        |        |        |        |                    |          | 4         |  |
| 36 / 21      |                                     |     |     |     |     |      |       |       |       |       |          |       |                                    |        |        |        |        |                    |          |           |  |
| 35 / 19      |                                     |     |     |     |     |      |       |       |       |       |          |       |                                    |        |        |        |        |                    |          |           |  |
| 34 / 17      |                                     |     |     |     |     |      |       |       |       |       |          |       |                                    |        |        |        |        |                    |          |           |  |
| 33 / 15      |                                     |     |     |     |     |      |       |       |       |       |          |       |                                    |        |        |        |        |                    |          |           |  |
| 32 / 13      |                                     |     |     |     |     |      |       |       |       |       |          |       |                                    |        |        |        |        |                    |          |           |  |
| 31 / 11      |                                     |     |     |     |     |      |       |       |       |       |          |       |                                    |        |        |        |        |                    |          |           |  |
| 30 / 9       |                                     |     |     |     |     |      |       |       |       |       |          |       |                                    |        |        |        |        |                    |          |           |  |
| 29 / 7       |                                     |     |     |     |     |      |       |       |       |       |          |       |                                    |        |        |        |        |                    |          |           |  |
| 28 / 5       |                                     |     |     |     |     |      |       |       |       |       |          |       |                                    |        |        |        |        |                    |          |           |  |
| 27 / 3       |                                     |     |     |     |     |      |       |       |       |       |          |       |                                    |        |        |        |        |                    |          |           |  |
| 26 / 1       |                                     |     |     |     |     |      |       |       |       |       |          |       |                                    |        |        |        |        |                    |          |           |  |
| 25 / -1      |                                     |     |     |     |     |      |       |       |       |       |          |       |                                    |        |        |        |        |                    |          |           |  |
| 24 / -3      |                                     |     |     |     |     |      |       |       |       |       |          |       |                                    |        |        |        |        |                    |          |           |  |
| 23 / -5      |                                     |     |     |     |     |      |       |       |       |       |          |       |                                    |        |        |        |        |                    |          |           |  |
| 22 / -7      |                                     |     |     |     |     |      |       |       |       |       |          |       |                                    |        |        |        |        |                    |          |           |  |
| 21 / -9      |                                     |     |     |     |     |      |       |       |       |       |          |       |                                    |        |        |        |        |                    |          |           |  |
| 20 / -11     |                                     |     |     |     |     |      |       |       |       |       |          |       |                                    |        |        |        |        |                    |          |           |  |
| 19 / -13     |                                     |     |     |     |     |      |       |       |       |       |          |       |                                    |        |        |        |        |                    |          |           |  |
| 18 / -15     |                                     |     |     |     |     |      |       |       |       |       |          |       |                                    |        |        |        |        |                    |          |           |  |
| Element (X)  | Σ X <sup>2</sup>                    |     | Σ X |     | Σ   |      | Σ     |       | Σ     |       | No. Obs. |       | Mean No. of Hours with Temperature |        |        |        |        |                    | Total    |           |  |
| Rel. Hum.    |                                     |     |     |     |     |      |       |       |       |       |          |       | ≤ 0 F                              | ≤ 32 F | ≥ 67 F | ≥ 73 F | ≥ 80 F | ≥ 93 F             |          |           |  |
| Dry Bulb     |                                     |     |     |     |     |      |       |       |       |       |          |       |                                    |        |        |        |        |                    |          |           |  |
| Wet Bulb     |                                     |     |     |     |     |      |       |       |       |       |          |       |                                    |        |        |        |        |                    |          |           |  |
| Dew Point    |                                     |     |     |     |     |      |       |       |       |       |          |       |                                    |        |        |        |        |                    |          |           |  |

USAFETAC FORM 0-26-5 (OL A) JUL 64  
REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE



## PSYCHROMETRIC SUMMARY

|         |                                  |       |
|---------|----------------------------------|-------|
| 0001    | MAUI OPTICAL SITE HI NORTH TOWER | 79-80 |
| STATION | STATION NAME                     |       |

MAR  
MONTH

PAGE 2 1800-2000  
HOURS (L. S. T.)

[illegible]

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

# PSYCHROMETRIC SUMMARY

STATION 7001 PAUI OPTICAL SITE HI NORTH TOWER 79-80

YEARS

MONTH MAR

PAGE 1 2100-2300  
HOURS (L. S. T.)

| Temp.<br>(F) | WET BULB TEMPERATURE DEPRESSION (F) |     |     |     |     |      |       |       |          |       |                                    |        |        |        |        |        | TOTAL<br>D.B./W.B. | TOTAL    |          |           |
|--------------|-------------------------------------|-----|-----|-----|-----|------|-------|-------|----------|-------|------------------------------------|--------|--------|--------|--------|--------|--------------------|----------|----------|-----------|
|              | 0                                   | 1-2 | 3-4 | 5-6 | 7-8 | 9-10 | 11-12 | 13-14 | 15-16    | 17-18 | 19-20                              | 21-22  | 23-24  | 25-26  | 27-28  | 29-30  | ≥ 31               | Dry Bulb | Wet Bulb | Dew Point |
| 5 / 40       |                                     |     |     |     |     |      |       |       |          | 1.8   |                                    |        |        |        |        |        |                    | 2        | 2        |           |
| 58 / 47      |                                     |     |     |     |     | .8   |       | 3.0   | 6.0      |       |                                    |        |        |        |        |        |                    | 13       | 13       |           |
| 60 / 45      |                                     |     |     |     | .8  | 1.8  |       | 2.3   | 3.0      | 2.3   |                                    |        |        |        |        |        |                    | 13       | 13       |           |
| 64 / 43      |                                     |     |     |     | .8  | .8   |       | 4.5   | .8       |       |                                    |        |        |        |        |        |                    | 9        | 9        |           |
| 62 / 41      |                                     | 4.5 |     |     | 1.8 | .8   | 2.3   | 6.8   | 6.8      |       |                                    |        |        |        |        |        |                    | 30       | 30       | 1         |
| 6 / 39       |                                     | 1.8 | .8  | .8  | 2.3 | 3.0  | 3.8   | 6.0   | 6.8      |       |                                    |        |        |        |        |        |                    | 33       | 33       | 7         |
| 33 / 37      | .8                                  | 1.8 | 2.3 |     | 1.8 | 3.0  | 2.3   | 3.0   |          |       |                                    |        |        |        |        |        |                    | 19       | 20       | 4         |
| 76 / 35      | .8                                  | 2.3 | 1.8 |     |     |      | .8    | 1.8   |          |       |                                    |        |        |        |        |        |                    | 9        | 9        | 12        |
| 34 / 33      |                                     |     |     |     | .8  |      |       |       |          |       |                                    |        |        |        |        |        |                    | 1        | 2        | 11        |
| 31 / 31      |                                     | 2.3 |     |     |     |      |       |       |          |       |                                    |        |        |        |        |        |                    | 3        | 3        | 21        |
| 7 / 29       |                                     | .8  |     |     |     |      |       |       |          |       |                                    |        |        |        |        |        |                    | 1        | 1        | 15        |
| 73 / 27      |                                     |     |     |     |     |      |       |       |          |       |                                    |        |        |        |        |        |                    |          |          | 32        |
| 6 / 25       |                                     |     |     |     |     |      |       |       |          |       |                                    |        |        |        |        |        |                    |          |          | 27        |
| 74 / 23      |                                     |     |     |     |     |      |       |       |          |       |                                    |        |        |        |        |        |                    |          |          | 2         |
| 72 / 21      |                                     |     |     |     |     |      |       |       |          |       |                                    |        |        |        |        |        |                    |          |          | 1         |
| 7 / 19       |                                     |     |     |     |     |      |       |       |          |       |                                    |        |        |        |        |        |                    |          |          |           |
| 70 / 17      |                                     |     |     |     |     |      |       |       |          |       |                                    |        |        |        |        |        |                    |          |          |           |
| 76 / 15      |                                     |     |     |     |     |      |       |       |          |       |                                    |        |        |        |        |        |                    |          |          |           |
| 4 / 13       |                                     |     |     |     |     |      |       |       |          |       |                                    |        |        |        |        |        |                    |          |          |           |
| 71 / 11      |                                     |     |     |     |     |      |       |       |          |       |                                    |        |        |        |        |        |                    |          |          |           |
| 7 / 9        |                                     |     |     |     |     |      |       |       |          |       |                                    |        |        |        |        |        |                    |          |          |           |
| 7 / 7        |                                     |     |     |     |     |      |       |       |          |       |                                    |        |        |        |        |        |                    |          |          |           |
| 7 / 5        |                                     |     |     |     |     |      |       |       |          |       |                                    |        |        |        |        |        |                    |          |          |           |
| 6 / 3        |                                     |     |     |     |     |      |       |       |          |       |                                    |        |        |        |        |        |                    |          |          |           |
| 7 / 1        |                                     |     |     |     |     |      |       |       |          |       |                                    |        |        |        |        |        |                    |          |          |           |
| 7 / -1       |                                     |     |     |     |     |      |       |       |          |       |                                    |        |        |        |        |        |                    |          |          |           |
| -7 / -3      |                                     |     |     |     |     |      |       |       |          |       |                                    |        |        |        |        |        |                    |          |          |           |
| -7 / -5      |                                     |     |     |     |     |      |       |       |          |       |                                    |        |        |        |        |        |                    |          |          |           |
| -6 / -7      |                                     |     |     |     |     |      |       |       |          |       |                                    |        |        |        |        |        |                    |          |          |           |
| -6 / -9      |                                     |     |     |     |     |      |       |       |          |       |                                    |        |        |        |        |        |                    |          |          |           |
| -7 / -11     |                                     |     |     |     |     |      |       |       |          |       |                                    |        |        |        |        |        |                    |          |          |           |
| -14 / -15    |                                     |     |     |     |     |      |       |       |          |       |                                    |        |        |        |        |        |                    |          |          |           |
| -10 / -17    |                                     |     |     |     |     |      |       |       |          |       |                                    |        |        |        |        |        |                    |          |          |           |
| -10 / -19    |                                     |     |     |     |     |      |       |       |          |       |                                    |        |        |        |        |        |                    |          |          |           |
| Element (X)  | Σ x'                                |     | Σ x |     | Σ   |      | Σ     |       | No. Obs. |       | Mean No. of Hours with Temperature |        |        |        |        |        | Total              |          |          |           |
| Rel. Hum.    |                                     |     |     |     |     |      |       |       |          |       | ≤ 0 F                              | ≤ 32 F | ≥ 67 F | ≥ 73 F | ≥ 80 F | ≥ 93 F |                    |          |          |           |
| Dry Bulb     |                                     |     |     |     |     |      |       |       |          |       |                                    |        |        |        |        |        |                    |          |          |           |
| Wet Bulb     |                                     |     |     |     |     |      |       |       |          |       |                                    |        |        |        |        |        |                    |          |          |           |
| Dew Point    |                                     |     |     |     |     |      |       |       |          |       |                                    |        |        |        |        |        |                    |          |          |           |

## PSYCHROMETRIC SUMMARY

MAR  
MONTH

PAGE 2 2100-2300  
HOURS (L. S. T.)

[illegible]

FORM  
0-26-5 (OLA)  
REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

**USAFETAC**

## PSYCHROMETRIC SUMMARY

MAR  
MONTH

ALL  
HOURS (L. S. T.)

[illegible]

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

## PSYCHROMETRIC SUMMARY

0001 MAUI OPTICAL SITE HI NORTH TOWER 79-80

MAR  
MONTH

PAGE 2

ALL  
HOURS (L. S. T.)

| Temp.<br>(F) | WET BULB TEMPERATURE DEPRESSION (F) |      |            |     |           |      |            |       |          |       |                                    |        |        |        |        |        |       |       |  |      | TOTAL<br>D.B./W.B. | TOTAL    |           |  |
|--------------|-------------------------------------|------|------------|-----|-----------|------|------------|-------|----------|-------|------------------------------------|--------|--------|--------|--------|--------|-------|-------|--|------|--------------------|----------|-----------|--|
|              | 0                                   | 1-2  | 3-4        | 5-6 | 7-8       | 9-10 | 11-12      | 13-14 | 15-16    | 17-18 | 19-20                              | 21-22  | 23-24  | 25-26  | 27-28  | 29-30  | ≥ 31  | TOTAL |  |      | Dry Bulb           | Wet Bulb | Dew Point |  |
| -1/-13       |                                     |      |            |     |           |      |            |       |          |       |                                    |        |        |        |        |        |       |       |  |      |                    |          | 15        |  |
| -10/-15      |                                     |      |            |     |           |      |            |       |          |       |                                    |        |        |        |        |        |       |       |  |      |                    |          | 17        |  |
| -14/-17      |                                     |      |            |     |           |      |            |       |          |       |                                    |        |        |        |        |        |       |       |  |      |                    |          | 12        |  |
| -5/-19       |                                     |      |            |     |           |      |            |       |          |       |                                    |        |        |        |        |        |       |       |  |      |                    |          | 13        |  |
| -7/-21       |                                     |      |            |     |           |      |            |       |          |       |                                    |        |        |        |        |        |       |       |  |      |                    |          | 6         |  |
| -12/-23      |                                     |      |            |     |           |      |            |       |          |       |                                    |        |        |        |        |        |       |       |  |      |                    |          | 6         |  |
| -21/-25      |                                     |      |            |     |           |      |            |       |          |       |                                    |        |        |        |        |        |       |       |  |      |                    |          | 4         |  |
| -26/-27      |                                     |      |            |     |           |      |            |       |          |       |                                    |        |        |        |        |        |       |       |  |      |                    |          | 9         |  |
| -28/-29      |                                     |      |            |     |           |      |            |       |          |       |                                    |        |        |        |        |        |       |       |  |      |                    |          | 11        |  |
| -2/-31       |                                     |      |            |     |           |      |            |       |          |       |                                    |        |        |        |        |        |       |       |  |      |                    |          | 6         |  |
| -7/-33       |                                     |      |            |     |           |      |            |       |          |       |                                    |        |        |        |        |        |       |       |  |      |                    |          | 3         |  |
| -34/-35      |                                     |      |            |     |           |      |            |       |          |       |                                    |        |        |        |        |        |       |       |  |      |                    |          | 5         |  |
| -36/-37      |                                     |      |            |     |           |      |            |       |          |       |                                    |        |        |        |        |        |       |       |  |      |                    |          | 11        |  |
| -36/-39      |                                     |      |            |     |           |      |            |       |          |       |                                    |        |        |        |        |        |       |       |  |      |                    |          | 5         |  |
| -4/-41       |                                     |      |            |     |           |      |            |       |          |       |                                    |        |        |        |        |        |       |       |  |      |                    |          | 2         |  |
| -2/-43       |                                     |      |            |     |           |      |            |       |          |       |                                    |        |        |        |        |        |       |       |  |      |                    |          | 6         |  |
| -44/-45      |                                     |      |            |     |           |      |            |       |          |       |                                    |        |        |        |        |        |       |       |  |      |                    |          | 2         |  |
| -46/-47      |                                     |      |            |     |           |      |            |       |          |       |                                    |        |        |        |        |        |       |       |  |      |                    |          | 4         |  |
| -46/-49      |                                     |      |            |     |           |      |            |       |          |       |                                    |        |        |        |        |        |       |       |  |      |                    |          | 2         |  |
| -5/-51       |                                     |      |            |     |           |      |            |       |          |       |                                    |        |        |        |        |        |       |       |  |      |                    |          | 1         |  |
| TOTAL        | 2.3                                 | 12.1 | 3.1        | 2.4 | 5.4       | 9.2  | 13.6       | 20.1  | 23.3     | 7.8   | .8                                 |        |        |        |        |        |       |       |  | 1059 | 1064               | 1059     | 1059      |  |
| Element (X)  | $\Sigma X^2$                        |      | $\Sigma X$ |     | $\bar{X}$ |      | $\sigma_x$ |       | No. Obs. |       | Mean No. of Hours with Temperature |        |        |        |        |        | Total |       |  |      |                    |          |           |  |
| Rel. Hum.    | 2 896.55                            |      | 36399      |     | 34.4      |      | 28.143     |       | 1059     |       | ≤ 0 F                              | ≤ 32 F | ≥ 67 F | ≥ 73 F | ≥ 80 F | ≥ 93 F | 744   |       |  |      |                    |          |           |  |
| Dry Bulb     | 1 976.49                            |      | 45841      |     | 43.1      |      | 4.616      |       | 1764     |       |                                    | 9.1    |        |        |        |        | 744   |       |  |      |                    |          |           |  |
| Wet Bulb     | 1 122.25                            |      | 33927      |     | 32.1      |      | 4.891      |       | 1759     |       |                                    | 424.2  |        |        |        |        | 744   |       |  |      |                    |          |           |  |
| Dew Point    | 5053.14                             |      | 9941       |     | 9.4       |      | 19.746     |       | 1759     |       | 229.6                              | 629.9  |        |        |        |        | 744   |       |  |      |                    |          |           |  |

## PSYCHROMETRIC SUMMARY

YEARS

APR  
MONTH

PAGE 1 0000-0200  
HOURS (L. S. T.)

[illegible]

**USAFETAC**  
FORM  
NII 44  
0-26-5 (OL A)  
REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

## PSYCHROMETRIC SUMMARY

YEARS

APR  
MONTH

PAGE 2 0000-0200  
HOURS (L. S. T.)

| Temp.<br>(F) | WET BULB TEMPERATURE DEPRESSION (F) |      |      |      |     |      |       |       |       |       |       |       |       |       |       |       |      |           | TOTAL    | TOTAL    |           |  |
|--------------|-------------------------------------|------|------|------|-----|------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|------|-----------|----------|----------|-----------|--|
|              | 0                                   | 1-2  | 3-4  | 5-6  | 7-8 | 9-10 | 11-12 | 13-14 | 15-16 | 17-18 | 19-20 | 21-22 | 23-24 | 25-26 | 27-28 | 29-30 | ≥ 31 | D.B./W.B. | Dry Bulb | Wet Bulb | Dew Point |  |
| -2/-29       |                                     |      |      |      |     |      |       |       |       |       |       |       |       |       |       |       |      |           |          |          | 1         |  |
| -34/-35      |                                     |      |      |      |     |      |       |       |       |       |       |       |       |       |       |       |      |           |          |          | 1         |  |
| -36/-37      |                                     |      |      |      |     |      |       |       |       |       |       |       |       |       |       |       |      |           |          |          | 1         |  |
| TOTAL        | 5.7                                 | 11.4 | 14.8 | 11.4 | 4.5 | 8.0  | 2.3   | 10.2  | 15.4  | 12.5  | 3.4   |       |       |       |       |       |      |           | 88       | 88       | 58        |  |
|              |                                     |      |      |      |     |      |       |       |       |       |       |       |       |       |       |       |      | 88        |          | 88       |           |  |
|              |                                     |      |      |      |     |      |       |       |       |       |       |       |       |       |       |       |      |           |          |          |           |  |
|              |                                     |      |      |      |     |      |       |       |       |       |       |       |       |       |       |       |      |           |          |          |           |  |
|              |                                     |      |      |      |     |      |       |       |       |       |       |       |       |       |       |       |      |           |          |          |           |  |
|              |                                     |      |      |      |     |      |       |       |       |       |       |       |       |       |       |       |      |           |          |          |           |  |
|              |                                     |      |      |      |     |      |       |       |       |       |       |       |       |       |       |       |      |           |          |          |           |  |
|              |                                     |      |      |      |     |      |       |       |       |       |       |       |       |       |       |       |      |           |          |          |           |  |
|              |                                     |      |      |      |     |      |       |       |       |       |       |       |       |       |       |       |      |           |          |          |           |  |
|              |                                     |      |      |      |     |      |       |       |       |       |       |       |       |       |       |       |      |           |          |          |           |  |
|              |                                     |      |      |      |     |      |       |       |       |       |       |       |       |       |       |       |      |           |          |          |           |  |
|              |                                     |      |      |      |     |      |       |       |       |       |       |       |       |       |       |       |      |           |          |          |           |  |
|              |                                     |      |      |      |     |      |       |       |       |       |       |       |       |       |       |       |      |           |          |          |           |  |
|              |                                     |      |      |      |     |      |       |       |       |       |       |       |       |       |       |       |      |           |          |          |           |  |
|              |                                     |      |      |      |     |      |       |       |       |       |       |       |       |       |       |       |      |           |          |          |           |  |
|              |                                     |      |      |      |     |      |       |       |       |       |       |       |       |       |       |       |      |           |          |          |           |  |
|              |                                     |      |      |      |     |      |       |       |       |       |       |       |       |       |       |       |      |           |          |          |           |  |
|              |                                     |      |      |      |     |      |       |       |       |       |       |       |       |       |       |       |      |           |          |          |           |  |
|              |                                     |      |      |      |     |      |       |       |       |       |       |       |       |       |       |       |      |           |          |          |           |  |
|              |                                     |      |      |      |     |      |       |       |       |       |       |       |       |       |       |       |      |           |          |          |           |  |
|              |                                     |      |      |      |     |      |       |       |       |       |       |       |       |       |       |       |      |           |          |          |           |  |
|              |                                     |      |      |      |     |      |       |       |       |       |       |       |       |       |       |       |      |           |          |          |           |  |
|              |                                     |      |      |      |     |      |       |       |       |       |       |       |       |       |       |       |      |           |          |          |           |  |
|              |                                     |      |      |      |     |      |       |       |       |       |       |       |       |       |       |       |      |           |          |          |           |  |
|              |                                     |      |      |      |     |      |       |       |       |       |       |       |       |       |       |       |      |           |          |          |           |  |
|              |                                     |      |      |      |     |      |       |       |       |       |       |       |       |       |       |       |      |           |          |          |           |  |
|              |                                     |      |      |      |     |      |       |       |       |       |       |       |       |       |       |       |      |           |          |          |           |  |
|              |                                     |      |      |      |     |      |       |       |       |       |       |       |       |       |       |       |      |           |          |          |           |  |
|              |                                     |      |      |      |     |      |       |       |       |       |       |       |       |       |       |       |      |           |          |          |           |  |
|              |                                     |      |      |      |     |      |       |       |       |       |       |       |       |       |       |       |      |           |          |          |           |  |
|              |                                     |      |      |      |     |      |       |       |       |       |       |       |       |       |       |       |      |           |          |          |           |  |
|              |                                     |      |      |      |     |      |       |       |       |       |       |       |       |       |       |       |      |           |          |          |           |  |
|              |                                     |      |      |      |     |      |       |       |       |       |       |       |       |       |       |       |      |           |          |          |           |  |
|              |                                     |      |      |      |     |      |       |       |       |       |       |       |       |       |       |       |      |           |          |          |           |  |
|              |                                     |      |      |      |     |      |       |       |       |       |       |       |       |       |       |       |      |           |          |          |           |  |
|              |                                     |      |      |      |     |      |       |       |       |       |       |       |       |       |       |       |      |           |          |          |           |  |
|              |                                     |      |      |      |     |      |       |       |       |       |       |       |       |       |       |       |      |           |          |          |           |  |
|              |                                     |      |      |      |     |      |       |       |       |       |       |       |       |       |       |       |      |           |          |          |           |  |
|              |                                     |      |      |      |     |      |       |       |       |       |       |       |       |       |       |       |      |           |          |          |           |  |
|              |                                     |      |      |      |     |      |       |       |       |       |       |       |       |       |       |       |      |           |          |          |           |  |
|              |                                     |      |      |      |     |      |       |       |       |       |       |       |       |       |       |       |      |           |          |          |           |  |
|              |                                     |      |      |      |     |      |       |       |       |       |       |       |       |       |       |       |      |           |          |          |           |  |
|              |                                     |      |      |      |     |      |       |       |       |       |       |       |       |       |       |       |      |           |          |          |           |  |
|              |                                     |      |      |      |     |      |       |       |       |       |       |       |       |       |       |       |      |           |          |          |           |  |
|              |                                     |      |      |      |     |      |       |       |       |       |       |       |       |       |       |       |      |           |          |          |           |  |
|              |                                     |      |      |      |     |      |       |       |       |       |       |       |       |       |       |       |      |           |          |          |           |  |
|              |                                     |      |      |      |     |      |       |       |       |       |       |       |       |       |       |       |      |           |          |          |           |  |
|              |                                     |      |      |      |     |      |       |       |       |       |       |       |       |       |       |       |      |           |          |          |           |  |
|              |                                     |      |      |      |     |      |       |       |       |       |       |       |       |       |       |       |      |           |          |          |           |  |
|              |                                     |      |      |      |     |      |       |       |       |       |       |       |       |       |       |       |      |           |          |          |           |  |
|              |                                     |      |      |      |     |      |       |       |       |       |       |       |       |       |       |       |      |           |          |          |           |  |
|              |                                     |      |      |      |     |      |       |       |       |       |       |       |       |       |       |       |      |           |          |          |           |  |
|              |                                     |      |      |      |     |      |       |       |       |       |       |       |       |       |       |       |      |           |          |          |           |  |
|              |                                     |      |      |      |     |      |       |       |       |       |       |       |       |       |       |       |      |           |          |          |           |  |

REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

0-26-5 (OL A)

**USAFFTAC**

## PSYCHROMETRIC SUMMARY

YEARS

APR  
MONTH

**HOURS (L. S. T.)**

| Temp<br>(F) | WET BULB TEMPERATURE DEPRESSION (F) |     |            |     |           |      |            |       |       |       |       |       |       |       |       |       |      |           |          |          | TOTAL     | TOTAL |  |  |
|-------------|-------------------------------------|-----|------------|-----|-----------|------|------------|-------|-------|-------|-------|-------|-------|-------|-------|-------|------|-----------|----------|----------|-----------|-------|--|--|
|             | 0                                   | 1-2 | 3-4        | 5-6 | 7-8       | 9-10 | 11-12      | 13-14 | 15-16 | 17-18 | 19-20 | 21-22 | 23-24 | 25-26 | 27-28 | 29-30 | ≥ 31 | D.B./W.B. | Dry Bulb | Wet Bulb | Dew Point |       |  |  |
| 35/ 47      |                                     |     |            |     |           |      | 1.1        |       | 3.3   | 10.0  |       |       |       |       |       |       |      | 13        | 13       |          |           |       |  |  |
| 35/ 45      |                                     |     |            |     |           | 2.2  |            | 1.1   | 1.1   | 7.8   |       |       |       |       |       |       |      | 11        | 11       |          |           |       |  |  |
| 34/ 43      |                                     | 2.2 |            |     | 3.3       |      | 2.2        | 3.3   | 2.2   |       |       |       |       |       |       |       |      | 12        | 12       |          |           |       |  |  |
| 32/ 41      | 1.1                                 | 7.8 |            |     | 1.1       | 1.1  | 2.2        |       | 1.1   |       |       |       |       |       |       |       |      | 13        | 13       | 3        | 4         |       |  |  |
| 31/ 39      | 8.9                                 | 5.6 |            |     | 2.2       | 3.3  | 1.1        | 1.1   | 2.2   |       |       |       |       |       |       |       |      | 22        | 22       | 19       | 11        |       |  |  |
| 38/ 37      |                                     | 2.2 | 1.1        |     | 2.2       |      | 2.2        | 3.3   |       |       |       |       |       |       |       |       |      | 10        | 10       | 3        | 8         |       |  |  |
| 35/ 35      | 1.1                                 | 1.1 | 2.2        |     |           |      |            |       |       |       |       |       |       |       |       |       |      | 4         | 4        | 6        | 1         |       |  |  |
| 34/ 33      |                                     |     |            | 1.1 |           |      | 1.1        |       |       |       |       |       |       |       |       |       |      | 2         | 2        | 4        | 2         |       |  |  |
| 32/ 31      |                                     | 1.1 |            |     |           |      |            |       |       |       |       |       |       |       |       |       |      | 1         | 1        | 13       | 1         |       |  |  |
| 31/ 29      |                                     |     |            |     |           |      |            |       |       |       |       |       |       |       |       |       |      |           |          | 22       | 1         |       |  |  |
| 30/ 27      |                                     | 1.1 |            |     |           |      |            |       |       |       |       |       |       |       |       |       |      | 1         | 1        | 9        | 3         |       |  |  |
| 28/ 25      |                                     |     |            |     |           |      |            |       |       |       |       |       |       |       |       |       |      |           |          | 4        | 5         |       |  |  |
| 27/ 23      |                                     |     |            |     | 1.1       |      |            |       |       |       |       |       |       |       |       |       |      | 1         | 1        | 4        | 2         |       |  |  |
| 27/ 21      |                                     |     |            |     |           |      |            |       |       |       |       |       |       |       |       |       |      |           |          | 1        | 2         |       |  |  |
| 27/ 19      |                                     |     |            |     |           |      |            |       |       |       |       |       |       |       |       |       |      |           |          |          | 1         |       |  |  |
| 27/ 17      |                                     |     |            |     |           |      |            |       |       |       |       |       |       |       |       |       |      |           |          |          | 3         |       |  |  |
| 26/ 15      |                                     |     |            |     |           |      |            |       |       |       |       |       |       |       |       |       |      |           |          |          | 2         |       |  |  |
| 25/ 13      |                                     |     |            |     |           |      |            |       |       |       |       |       |       |       |       |       |      |           |          |          | 3         |       |  |  |
| 21/ 11      |                                     |     |            |     |           |      |            |       |       |       |       |       |       |       |       |       |      |           |          |          | 2         |       |  |  |
| 21/ 9       |                                     |     |            |     |           |      |            |       |       |       |       |       |       |       |       |       |      |           |          |          | 1         |       |  |  |
| 20/ 7       |                                     |     |            |     |           |      |            |       |       |       |       |       |       |       |       |       |      |           |          |          | 2         |       |  |  |
| 20/ 5       |                                     |     |            |     |           |      |            |       |       |       |       |       |       |       |       |       |      |           |          |          | 4         |       |  |  |
| 20/ 3       |                                     |     |            |     |           |      |            |       |       |       |       |       |       |       |       |       |      |           |          |          | 3         |       |  |  |
| 20/ 1       |                                     |     |            |     |           |      |            |       |       |       |       |       |       |       |       |       |      |           |          |          | 2         |       |  |  |
| 20/ -1      |                                     |     |            |     |           |      |            |       |       |       |       |       |       |       |       |       |      |           |          |          | 1         |       |  |  |
| 19/ -3      |                                     |     |            |     |           |      |            |       |       |       |       |       |       |       |       |       |      |           |          |          | 1         |       |  |  |
| 18/ -7      |                                     |     |            |     |           |      |            |       |       |       |       |       |       |       |       |       |      |           |          |          | 2         |       |  |  |
| 17/ -11     |                                     |     |            |     |           |      |            |       |       |       |       |       |       |       |       |       |      |           |          |          | 1         |       |  |  |
| 16/ -13     |                                     |     |            |     |           |      |            |       |       |       |       |       |       |       |       |       |      |           |          |          | 2         |       |  |  |
| 14/ -15     |                                     |     |            |     |           |      |            |       |       |       |       |       |       |       |       |       |      |           |          |          | 1         |       |  |  |
| 13/ -17     |                                     |     |            |     |           |      |            |       |       |       |       |       |       |       |       |       |      |           |          |          | 5         |       |  |  |
| 12/ -19     |                                     |     |            |     |           |      |            |       |       |       |       |       |       |       |       |       |      |           |          |          | 3         |       |  |  |
| 11/ -21     |                                     |     |            |     |           |      |            |       |       |       |       |       |       |       |       |       |      |           |          |          | 2         |       |  |  |
| 10/ -23     |                                     |     |            |     |           |      |            |       |       |       |       |       |       |       |       |       |      |           |          |          | 4         |       |  |  |
| Element (X) | $\Sigma X^2$                        |     | $\Sigma X$ |     | $\bar{X}$ |      | $\sigma_x$ |       |       |       |       |       |       |       |       |       |      |           |          |          |           |       |  |  |

FORM 0-26-5 (OL A)  
REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

USAFETAC



## PSYCHROMETRIC SUMMARY

\_\_\_\_\_  
YEARS

\_\_\_\_\_  
APR  
MONTH

PAGE 2 0300-0500  
HOURS (L. S. T.)

## PSYCHROMETRIC SUMMARY

79

**YEARS**

APR  
MONTH

PAGE 1 0600-0800  
HOURS (L. S. T.)

USAFETAC FORM 0-26.5 (OLA) REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

## PSYCHROMETRIC SUMMARY

|         |                                  |    |
|---------|----------------------------------|----|
| 0001    | MAUI OPTICAL SITE HI NORTH TOWER | 79 |
| STATION | STATION NAME                     |    |

**YEARS**

APR  
MONTH

PAGE 2 0600-0800  
HOURS (L. S. T.)

| Temp.<br>(F) | WET BULB TEMPERATURE DEPRESSION (F) |      |     |      |     |      |       |       |       |       |       |       |       |       |       |       |      | TOTAL     | TOTAL    |          |           |
|--------------|-------------------------------------|------|-----|------|-----|------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|------|-----------|----------|----------|-----------|
|              | 0                                   | 1-2  | 3-4 | 5-6  | 7-8 | 9-10 | 11-12 | 13-14 | 15-16 | 17-18 | 19-20 | 21-22 | 23-24 | 25-26 | 27-28 | 29-30 | ≥ 31 | D.B./W.B. | Dry Bulb | Wet Bulb | Dew Point |
| - 27/-23     |                                     |      |     |      |     |      |       |       |       |       |       |       |       |       |       |       |      |           |          |          | 2         |
| -24/-25      |                                     |      |     |      |     |      |       |       |       |       |       |       |       |       |       |       |      |           |          |          | 4         |
| -26/-27      |                                     |      |     |      |     |      |       |       |       |       |       |       |       |       |       |       |      |           |          |          | 5         |
| -28/-29      |                                     |      |     |      |     |      |       |       |       |       |       |       |       |       |       |       |      |           |          |          | 1         |
| -30/-33      |                                     |      |     |      |     |      |       |       |       |       |       |       |       |       |       |       |      |           |          |          | 1         |
| TOTAL        | 2.3                                 | 15.9 | 5.7 | 11.4 | 5.7 | 11.4 | 8.0   | 9.1   | 11.4  | 8.0   | 9.1   | 2.3   |       |       |       |       |      |           | 88       |          | 88        |
|              |                                     |      |     |      |     |      |       |       |       |       |       |       |       |       |       |       |      |           | 88       |          | 88        |
|              |                                     |      |     |      |     |      |       |       |       |       |       |       |       |       |       |       |      |           |          |          |           |
|              |                                     |      |     |      |     |      |       |       |       |       |       |       |       |       |       |       |      |           |          |          |           |
|              |                                     |      |     |      |     |      |       |       |       |       |       |       |       |       |       |       |      |           |          |          |           |
|              |                                     |      |     |      |     |      |       |       |       |       |       |       |       |       |       |       |      |           |          |          |           |
|              |                                     |      |     |      |     |      |       |       |       |       |       |       |       |       |       |       |      |           |          |          |           |
|              |                                     |      |     |      |     |      |       |       |       |       |       |       |       |       |       |       |      |           |          |          |           |
|              |                                     |      |     |      |     |      |       |       |       |       |       |       |       |       |       |       |      |           |          |          |           |
|              |                                     |      |     |      |     |      |       |       |       |       |       |       |       |       |       |       |      |           |          |          |           |
|              |                                     |      |     |      |     |      |       |       |       |       |       |       |       |       |       |       |      |           |          |          |           |
|              |                                     |      |     |      |     |      |       |       |       |       |       |       |       |       |       |       |      |           |          |          |           |
|              |                                     |      |     |      |     |      |       |       |       |       |       |       |       |       |       |       |      |           |          |          |           |
|              |                                     |      |     |      |     |      |       |       |       |       |       |       |       |       |       |       |      |           |          |          |           |
|              |                                     |      |     |      |     |      |       |       |       |       |       |       |       |       |       |       |      |           |          |          |           |
|              |                                     |      |     |      |     |      |       |       |       |       |       |       |       |       |       |       |      |           |          |          |           |
|              |                                     |      |     |      |     |      |       |       |       |       |       |       |       |       |       |       |      |           |          |          |           |
|              |                                     |      |     |      |     |      |       |       |       |       |       |       |       |       |       |       |      |           |          |          |           |
|              |                                     |      |     |      |     |      |       |       |       |       |       |       |       |       |       |       |      |           |          |          |           |
|              |                                     |      |     |      |     |      |       |       |       |       |       |       |       |       |       |       |      |           |          |          |           |
|              |                                     |      |     |      |     |      |       |       |       |       |       |       |       |       |       |       |      |           |          |          |           |
|              |                                     |      |     |      |     |      |       |       |       |       |       |       |       |       |       |       |      |           |          |          |           |
|              |                                     |      |     |      |     |      |       |       |       |       |       |       |       |       |       |       |      |           |          |          |           |
|              |                                     |      |     |      |     |      |       |       |       |       |       |       |       |       |       |       |      |           |          |          |           |
|              |                                     |      |     |      |     |      |       |       |       |       |       |       |       |       |       |       |      |           |          |          |           |
|              |                                     |      |     |      |     |      |       |       |       |       |       |       |       |       |       |       |      |           |          |          |           |
|              |                                     |      |     |      |     |      |       |       |       |       |       |       |       |       |       |       |      |           |          |          |           |
|              |                                     |      |     |      |     |      |       |       |       |       |       |       |       |       |       |       |      |           |          |          |           |
|              |                                     |      |     |      |     |      |       |       |       |       |       |       |       |       |       |       |      |           |          |          |           |
|              |                                     |      |     |      |     |      |       |       |       |       |       |       |       |       |       |       |      |           |          |          |           |
|              |                                     |      |     |      |     |      |       |       |       |       |       |       |       |       |       |       |      |           |          |          |           |
|              |                                     |      |     |      |     |      |       |       |       |       |       |       |       |       |       |       |      |           |          |          |           |
|              |                                     |      |     |      |     |      |       |       |       |       |       |       |       |       |       |       |      |           |          |          |           |
|              |                                     |      |     |      |     |      |       |       |       |       |       |       |       |       |       |       |      |           |          |          |           |
|              |                                     |      |     |      |     |      |       |       |       |       |       |       |       |       |       |       |      |           |          |          |           |
|              |                                     |      |     |      |     |      |       |       |       |       |       |       |       |       |       |       |      |           |          |          |           |
|              |                                     |      |     |      |     |      |       |       |       |       |       |       |       |       |       |       |      |           |          |          |           |
|              |                                     |      |     |      |     |      |       |       |       |       |       |       |       |       |       |       |      |           |          |          |           |
|              |                                     |      |     |      |     |      |       |       |       |       |       |       |       |       |       |       |      |           |          |          |           |
|              |                                     |      |     |      |     |      |       |       |       |       |       |       |       |       |       |       |      |           |          |          |           |
|              |                                     |      |     |      |     |      |       |       |       |       |       |       |       |       |       |       |      |           |          |          |           |
|              |                                     |      |     |      |     |      |       |       |       |       |       |       |       |       |       |       |      |           |          |          |           |
|              |                                     |      |     |      |     |      |       |       |       |       |       |       |       |       |       |       |      |           |          |          |           |
|              |                                     |      |     |      |     |      |       |       |       |       |       |       |       |       |       |       |      |           |          |          |           |
|              |                                     |      |     |      |     |      |       |       |       |       |       |       |       |       |       |       |      |           |          |          |           |
|              |                                     |      |     |      |     |      |       |       |       |       |       |       |       |       |       |       |      |           |          |          |           |
|              |                                     |      |     |      |     |      |       |       |       |       |       |       |       |       |       |       |      |           |          |          |           |
|              |                                     |      |     |      |     |      |       |       |       |       |       |       |       |       |       |       |      |           |          |          |           |
|              |                                     |      |     |      |     |      |       |       |       |       |       |       |       |       |       |       |      |           |          |          |           |
|              |                                     |      |     |      |     |      |       |       |       |       |       |       |       |       |       |       |      |           |          |          |           |
|              |                                     |      |     |      |     |      |       |       |       |       |       |       |       |       |       |       |      |           |          |          |           |
|              |                                     |      |     |      |     |      |       |       |       |       |       |       |       |       |       |       |      |           |          |          |           |
|              |                                     |      |     |      |     |      |       |       |       |       |       |       |       |       |       |       |      |           |          |          |           |
|              |                                     |      |     |      |     |      |       |       |       |       |       |       |       |       |       |       |      |           |          |          |           |
|              |                                     |      |     |      |     |      |       |       |       |       |       |       |       |       |       |       |      |           |          |          |           |

## PSYCHROMETRIC SUMMARY

\_\_\_\_\_  
YEARS

\_\_\_\_\_  
MONTH

[illegible]

REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

0-26-5 (OLA)

**USAFETAC**

## PSYCHROMETRIC SUMMARY

| STATION | STATION NAME                     |    |
|---------|----------------------------------|----|
| 1001    | MAUI OPTICAL SITE HI NORTH TOWER | 79 |

**YEARS**

APR  
MONTH

PAGE 2 0900-1100  
HOURS (L. S. T.)

| Temp.<br>(F) | WET BULB TEMPERATURE DEPRESSION (F) |      |      |     |     |      |       |       |       |       |       |       |       |       |       |       |      |           | TOTAL    | TOTAL    |           |  |
|--------------|-------------------------------------|------|------|-----|-----|------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|------|-----------|----------|----------|-----------|--|
|              | 0                                   | 1-2  | 3-4  | 5-6 | 7-8 | 9-10 | 11-12 | 13-14 | 15-16 | 17-18 | 19-20 | 21-22 | 23-24 | 25-26 | 27-28 | 29-30 | ≥ 31 | D.B./W.B. | Dry Bulb | Wet Bulb | Dew Point |  |
| -1/-21       |                                     |      |      |     |     |      |       |       |       |       |       |       |       |       |       |       |      |           |          |          | 4         |  |
| -2/-23       |                                     |      |      |     |     |      |       |       |       |       |       |       |       |       |       |       |      |           |          |          | 1         |  |
| -3/-25       |                                     |      |      |     |     |      |       |       |       |       |       |       |       |       |       |       |      |           |          |          | 1         |  |
| -4/-27       |                                     |      |      |     |     |      |       |       |       |       |       |       |       |       |       |       |      |           |          |          | 1         |  |
| -5/-29       |                                     |      |      |     |     |      |       |       |       |       |       |       |       |       |       |       |      |           |          |          | 1         |  |
| TOTAL        | 1.2                                 | 14.0 | 11.6 | 1.2 | 8.1 | 12.8 | 11.6  | 10.5  | 11.6  | 3.5   | 8.1   | 5.8   |       |       |       |       |      |           | 86       |          | 86        |  |
|              |                                     |      |      |     |     |      |       |       |       |       |       |       |       |       |       |       |      | 86        |          | 86       |           |  |
|              |                                     |      |      |     |     |      |       |       |       |       |       |       |       |       |       |       |      |           |          |          |           |  |
|              |                                     |      |      |     |     |      |       |       |       |       |       |       |       |       |       |       |      |           |          |          |           |  |
|              |                                     |      |      |     |     |      |       |       |       |       |       |       |       |       |       |       |      |           |          |          |           |  |
|              |                                     |      |      |     |     |      |       |       |       |       |       |       |       |       |       |       |      |           |          |          |           |  |
|              |                                     |      |      |     |     |      |       |       |       |       |       |       |       |       |       |       |      |           |          |          |           |  |
|              |                                     |      |      |     |     |      |       |       |       |       |       |       |       |       |       |       |      |           |          |          |           |  |
|              |                                     |      |      |     |     |      |       |       |       |       |       |       |       |       |       |       |      |           |          |          |           |  |
|              |                                     |      |      |     |     |      |       |       |       |       |       |       |       |       |       |       |      |           |          |          |           |  |
|              |                                     |      |      |     |     |      |       |       |       |       |       |       |       |       |       |       |      |           |          |          |           |  |
|              |                                     |      |      |     |     |      |       |       |       |       |       |       |       |       |       |       |      |           |          |          |           |  |
|              |                                     |      |      |     |     |      |       |       |       |       |       |       |       |       |       |       |      |           |          |          |           |  |
|              |                                     |      |      |     |     |      |       |       |       |       |       |       |       |       |       |       |      |           |          |          |           |  |
|              |                                     |      |      |     |     |      |       |       |       |       |       |       |       |       |       |       |      |           |          |          |           |  |
|              |                                     |      |      |     |     |      |       |       |       |       |       |       |       |       |       |       |      |           |          |          |           |  |
|              |                                     |      |      |     |     |      |       |       |       |       |       |       |       |       |       |       |      |           |          |          |           |  |
|              |                                     |      |      |     |     |      |       |       |       |       |       |       |       |       |       |       |      |           |          |          |           |  |
|              |                                     |      |      |     |     |      |       |       |       |       |       |       |       |       |       |       |      |           |          |          |           |  |
|              |                                     |      |      |     |     |      |       |       |       |       |       |       |       |       |       |       |      |           |          |          |           |  |
|              |                                     |      |      |     |     |      |       |       |       |       |       |       |       |       |       |       |      |           |          |          |           |  |
|              |                                     |      |      |     |     |      |       |       |       |       |       |       |       |       |       |       |      |           |          |          |           |  |
|              |                                     |      |      |     |     |      |       |       |       |       |       |       |       |       |       |       |      |           |          |          |           |  |
|              |                                     |      |      |     |     |      |       |       |       |       |       |       |       |       |       |       |      |           |          |          |           |  |
|              |                                     |      |      |     |     |      |       |       |       |       |       |       |       |       |       |       |      |           |          |          |           |  |
|              |                                     |      |      |     |     |      |       |       |       |       |       |       |       |       |       |       |      |           |          |          |           |  |
|              |                                     |      |      |     |     |      |       |       |       |       |       |       |       |       |       |       |      |           |          |          |           |  |
|              |                                     |      |      |     |     |      |       |       |       |       |       |       |       |       |       |       |      |           |          |          |           |  |
|              |                                     |      |      |     |     |      |       |       |       |       |       |       |       |       |       |       |      |           |          |          |           |  |
|              |                                     |      |      |     |     |      |       |       |       |       |       |       |       |       |       |       |      |           |          |          |           |  |
|              |                                     |      |      |     |     |      |       |       |       |       |       |       |       |       |       |       |      |           |          |          |           |  |
|              |                                     |      |      |     |     |      |       |       |       |       |       |       |       |       |       |       |      |           |          |          |           |  |
|              |                                     |      |      |     |     |      |       |       |       |       |       |       |       |       |       |       |      |           |          |          |           |  |
|              |                                     |      |      |     |     |      |       |       |       |       |       |       |       |       |       |       |      |           |          |          |           |  |
|              |                                     |      |      |     |     |      |       |       |       |       |       |       |       |       |       |       |      |           |          |          |           |  |
|              |                                     |      |      |     |     |      |       |       |       |       |       |       |       |       |       |       |      |           |          |          |           |  |
|              |                                     |      |      |     |     |      |       |       |       |       |       |       |       |       |       |       |      |           |          |          |           |  |
|              |                                     |      |      |     |     |      |       |       |       |       |       |       |       |       |       |       |      |           |          |          |           |  |
|              |                                     |      |      |     |     |      |       |       |       |       |       |       |       |       |       |       |      |           |          |          |           |  |
|              |                                     |      |      |     |     |      |       |       |       |       |       |       |       |       |       |       |      |           |          |          |           |  |
|              |                                     |      |      |     |     |      |       |       |       |       |       |       |       |       |       |       |      |           |          |          |           |  |
|              |                                     |      |      |     |     |      |       |       |       |       |       |       |       |       |       |       |      |           |          |          |           |  |
|              |                                     |      |      |     |     |      |       |       |       |       |       |       |       |       |       |       |      |           |          |          |           |  |
|              |                                     |      |      |     |     |      |       |       |       |       |       |       |       |       |       |       |      |           |          |          |           |  |
|              |                                     |      |      |     |     |      |       |       |       |       |       |       |       |       |       |       |      |           |          |          |           |  |
|              |                                     |      |      |     |     |      |       |       |       |       |       |       |       |       |       |       |      |           |          |          |           |  |
|              |                                     |      |      |     |     |      |       |       |       |       |       |       |       |       |       |       |      |           |          |          |           |  |
|              |                                     |      |      |     |     |      |       |       |       |       |       |       |       |       |       |       |      |           |          |          |           |  |
|              |                                     |      |      |     |     |      |       |       |       |       |       |       |       |       |       |       |      |           |          |          |           |  |
|              |                                     |      |      |     |     |      |       |       |       |       |       |       |       |       |       |       |      |           |          |          |           |  |
|              |                                     |      |      |     |     |      |       |       |       |       |       |       |       |       |       |       |      |           |          |          |           |  |
|              |                                     |      |      |     |     |      |       |       |       |       |       |       |       |       |       |       |      |           |          |          |           |  |
|              |                                     |      |      |     |     |      |       |       |       |       |       |       |       |       |       |       |      |           |          |          |           |  |
|              |                                     |      |      |     |     |      |       |       |       |       |       |       |       |       |       |       |      |           |          |          |           |  |

## PSYCHROMETRIC SUMMARY

|         |                                  |    |
|---------|----------------------------------|----|
| 007     | MAUI OPTICAL SITE HI NORTH TOWER | 79 |
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HOURS (L. S. T.)

[illegible]

## PSYCHROMETRIC SUMMARY

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| 0001    | MAUI OPTICAL SITE HI NORTH TOWER | 79 |
| STATION | STATION NAME                     |    |

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## PSYCHROMETRIC SUMMARY

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| 0001    | MAUI OPTICAL SITE HI NORTH TOWER | 79 |
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## PSYCHROMETRIC SUMMARY

|         |                                  |    |
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| 1001    | MAUI OPTICAL SITE HI NORTH TOWER | 79 |
| STATION | STATION NAME                     |    |

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| Temp.<br>(F) | WET BULB TEMPERATURE DEPRESSION (F) |     |     |     |     |      |       |                |          |                                    |        |        |        |        |        |       |      |           |          |          | TOTAL     | TOTAL |  |  |
|--------------|-------------------------------------|-----|-----|-----|-----|------|-------|----------------|----------|------------------------------------|--------|--------|--------|--------|--------|-------|------|-----------|----------|----------|-----------|-------|--|--|
|              | 0                                   | 1-2 | 3-4 | 5-6 | 7-8 | 9-10 | 11-12 | 13-14          | 15-16    | 17-18                              | 19-20  | 21-22  | 23-24  | 25-26  | 27-28  | 29-30 | ≥ 31 | D.B./W.B. | Dry Bulb | Wet Bulb | Dew Point |       |  |  |
| 54 / 55      |                                     |     |     |     |     |      |       |                |          |                                    |        | 1.2    |        |        |        |       |      |           | 1        | 1        |           |       |  |  |
| 54 / 53      |                                     |     |     |     |     |      |       |                |          |                                    | 1.2    | 1.2    |        |        |        |       |      |           | 2        | 2        |           |       |  |  |
| 53 / 49      |                                     |     |     |     |     |      |       | 1.2            | 1.2      |                                    | 1.2    |        |        |        |        |       |      |           | 3        | 3        |           |       |  |  |
| 48 / 47      |                                     |     |     |     |     |      | 1.2   | 1.2            | 1.2      | 1.2                                |        |        |        |        |        |       |      |           | 4        | 4        |           |       |  |  |
| 45 / 45      |                                     |     | 1.2 |     |     | 1.2  | 1.2   |                | 2.5      | 4.9                                |        |        |        |        |        |       |      |           | 9        | 9        |           |       |  |  |
| 44 / 45      |                                     | 1.2 | 1.2 | 1.2 | 1.2 | 3.7  | 4.9   | 2.5            | 6.2      | 1.2                                |        |        |        |        |        |       |      |           | 19       | 19       |           |       |  |  |
| 42 / 41      |                                     | 4.9 |     |     | 1.2 | 1.2  |       | 4.9            | 3.7      |                                    |        |        |        |        |        |       |      |           | 13       | 13       | 4         |       |  |  |
| 41 / 39      | 1.2                                 | 7.4 | 2.5 | 1.2 | 2.5 | 1.2  |       |                | 1.2      |                                    |        |        |        |        |        |       |      |           | 14       | 14       | 4         |       |  |  |
| 39 / 37      | 1.2                                 | 7.4 | 2.5 | 1.2 |     |      | 2.5   |                |          |                                    |        |        |        |        |        |       |      |           | 12       | 12       | 4         |       |  |  |
| 37 / 35      | 1.2                                 |     |     |     | 2.5 |      | 1.2   |                |          |                                    |        |        |        |        |        |       |      |           | 4        | 4        | 8         |       |  |  |
| 34 / 33      |                                     |     |     |     |     |      |       |                |          |                                    |        |        |        |        |        |       |      |           |          | 14       | 6         |       |  |  |
| 32 / 31      |                                     |     |     |     |     |      |       |                |          |                                    |        |        |        |        |        |       |      |           |          | 13       | 1         |       |  |  |
| 31 / 29      |                                     |     |     |     |     |      |       |                |          |                                    |        |        |        |        |        |       |      |           |          | 7        | 3         |       |  |  |
| 30 / 27      |                                     |     |     |     |     |      |       |                |          |                                    |        |        |        |        |        |       |      |           |          | 15       | 1         |       |  |  |
| 27 / 25      |                                     |     |     |     |     |      |       |                |          |                                    |        |        |        |        |        |       |      |           |          | 3        | 1         |       |  |  |
| 26 / 24      |                                     |     |     |     |     |      |       |                |          |                                    |        |        |        |        |        |       |      |           |          | 1        | 4         |       |  |  |
| 22 / 21      |                                     |     |     |     |     |      |       |                |          |                                    |        |        |        |        |        |       |      |           |          |          | 2         |       |  |  |
| 21 / 19      |                                     |     |     |     |     |      |       |                |          |                                    |        |        |        |        |        |       |      |           |          |          | 3         |       |  |  |
| 19 / 17      |                                     |     |     |     |     |      |       |                |          |                                    |        |        |        |        |        |       |      |           |          |          | 3         |       |  |  |
| 18 / 15      |                                     |     |     |     |     |      |       |                |          |                                    |        |        |        |        |        |       |      |           |          |          | 2         |       |  |  |
| 14 / 13      |                                     |     |     |     |     |      |       |                |          |                                    |        |        |        |        |        |       |      |           |          |          | 4         |       |  |  |
| 11 / 11      |                                     |     |     |     |     |      |       |                |          |                                    |        |        |        |        |        |       |      |           |          |          | 1         |       |  |  |
| 9 / 9        |                                     |     |     |     |     |      |       |                |          |                                    |        |        |        |        |        |       |      |           |          |          | 2         |       |  |  |
| 6 / 7        |                                     |     |     |     |     |      |       |                |          |                                    |        |        |        |        |        |       |      |           |          |          | 1         |       |  |  |
| 5 / 5        |                                     |     |     |     |     |      |       |                |          |                                    |        |        |        |        |        |       |      |           |          |          | 2         |       |  |  |
| 4 / 4        |                                     |     |     |     |     |      |       |                |          |                                    |        |        |        |        |        |       |      |           |          |          | 1         |       |  |  |
| 4 / -1       |                                     |     |     |     |     |      |       |                |          |                                    |        |        |        |        |        |       |      |           |          |          | 2         |       |  |  |
| -1 / -3      |                                     |     |     |     |     |      |       |                |          |                                    |        |        |        |        |        |       |      |           |          |          | 2         |       |  |  |
| -1 / -5      |                                     |     |     |     |     |      |       |                |          |                                    |        |        |        |        |        |       |      |           |          |          | 3         |       |  |  |
| -1 / -7      |                                     |     |     |     |     |      |       |                |          |                                    |        |        |        |        |        |       |      |           |          |          | 2         |       |  |  |
| -1 / -9      |                                     |     |     |     |     |      |       |                |          |                                    |        |        |        |        |        |       |      |           |          |          | 2         |       |  |  |
| -1 / -11     |                                     |     |     |     |     |      |       |                |          |                                    |        |        |        |        |        |       |      |           |          |          | 3         |       |  |  |
| -1 / -13     |                                     |     |     |     |     |      |       |                |          |                                    |        |        |        |        |        |       |      |           |          |          | 3         |       |  |  |
| Element (X)  | ΣX <sup>2</sup>                     |     |     | ΣX  |     |      | X̄    | σ <sub>x</sub> | No. Obs. | Mean No. of Hours with Temperature |        |        |        |        |        |       |      |           |          |          |           |       |  |  |
| Rel. Hum.    |                                     |     |     |     |     |      |       |                |          | ≤ 0 F                              | ≤ 32 F | ≥ 67 F | ≥ 73 F | ≥ 80 F | ≥ 93 F | Total |      |           |          |          |           |       |  |  |
| Dry Bulb     |                                     |     |     |     |     |      |       |                |          |                                    |        |        |        |        |        |       |      |           |          |          |           |       |  |  |
| Wet Bulb     |                                     |     |     |     |     |      |       |                |          |                                    |        |        |        |        |        |       |      |           |          |          |           |       |  |  |
| Dew Point    |                                     |     |     |     |     |      |       |                |          |                                    |        |        |        |        |        |       |      |           |          |          |           |       |  |  |

## PSYCHROMETRIC SUMMARY

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| 0001    | MAUI OPTICAL SITE HI NORTH TOWER | 79 |
| STATION | STATION NAME                     |    |

**YEARS**

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HOURS (L. S. T.)

| Temp.<br>(F) | WET BULB TEMPERATURE DEPRESSION (F) |      |     |     |     |      |       |       |       |       |       |       |       |       |       |       |      | TOTAL     | TOTAL    |          |           |
|--------------|-------------------------------------|------|-----|-----|-----|------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|------|-----------|----------|----------|-----------|
|              | 0                                   | 1-2  | 3-4 | 5-6 | 7-8 | 9-10 | 11-12 | 13-14 | 15-16 | 17-18 | 19-20 | 21-22 | 23-24 | 25-26 | 27-28 | 29-30 | ≥ 31 | D.B./W.B. | Dry Bulb | Wet Bulb | Dew Point |
| -1/-15       |                                     |      |     |     |     |      |       |       |       |       |       |       |       |       |       |       |      |           |          |          | 1         |
| -1/-17       |                                     |      |     |     |     |      |       |       |       |       |       |       |       |       |       |       |      |           |          |          | 2         |
| -1/-21       |                                     |      |     |     |     |      |       |       |       |       |       |       |       |       |       |       |      |           |          |          | 2         |
| -2/-23       |                                     |      |     |     |     |      |       |       |       |       |       |       |       |       |       |       |      |           |          |          | 1         |
| -4/-25       |                                     |      |     |     |     |      |       |       |       |       |       |       |       |       |       |       |      |           |          |          | 1         |
| TOTAL        | 3.7                                 | 21.0 | 7.4 | 3.7 | 7.4 | 7.4  | 11.1  | 9.9   | 16.7  | 7.4   | 2.5   | 2.5   |       |       |       |       |      |           | 81       |          | 81        |
|              |                                     |      |     |     |     |      |       |       |       |       |       |       |       |       |       |       |      | 81        |          | 81       |           |
|              |                                     |      |     |     |     |      |       |       |       |       |       |       |       |       |       |       |      |           |          |          |           |
|              |                                     |      |     |     |     |      |       |       |       |       |       |       |       |       |       |       |      |           |          |          |           |
|              |                                     |      |     |     |     |      |       |       |       |       |       |       |       |       |       |       |      |           |          |          |           |
|              |                                     |      |     |     |     |      |       |       |       |       |       |       |       |       |       |       |      |           |          |          |           |
|              |                                     |      |     |     |     |      |       |       |       |       |       |       |       |       |       |       |      |           |          |          |           |
|              |                                     |      |     |     |     |      |       |       |       |       |       |       |       |       |       |       |      |           |          |          |           |
|              |                                     |      |     |     |     |      |       |       |       |       |       |       |       |       |       |       |      |           |          |          |           |
|              |                                     |      |     |     |     |      |       |       |       |       |       |       |       |       |       |       |      |           |          |          |           |
|              |                                     |      |     |     |     |      |       |       |       |       |       |       |       |       |       |       |      |           |          |          |           |
|              |                                     |      |     |     |     |      |       |       |       |       |       |       |       |       |       |       |      |           |          |          |           |
|              |                                     |      |     |     |     |      |       |       |       |       |       |       |       |       |       |       |      |           |          |          |           |
|              |                                     |      |     |     |     |      |       |       |       |       |       |       |       |       |       |       |      |           |          |          |           |
|              |                                     |      |     |     |     |      |       |       |       |       |       |       |       |       |       |       |      |           |          |          |           |
|              |                                     |      |     |     |     |      |       |       |       |       |       |       |       |       |       |       |      |           |          |          |           |
|              |                                     |      |     |     |     |      |       |       |       |       |       |       |       |       |       |       |      |           |          |          |           |
|              |                                     |      |     |     |     |      |       |       |       |       |       |       |       |       |       |       |      |           |          |          |           |
|              |                                     |      |     |     |     |      |       |       |       |       |       |       |       |       |       |       |      |           |          |          |           |
|              |                                     |      |     |     |     |      |       |       |       |       |       |       |       |       |       |       |      |           |          |          |           |
|              |                                     |      |     |     |     |      |       |       |       |       |       |       |       |       |       |       |      |           |          |          |           |
|              |                                     |      |     |     |     |      |       |       |       |       |       |       |       |       |       |       |      |           |          |          |           |
|              |                                     |      |     |     |     |      |       |       |       |       |       |       |       |       |       |       |      |           |          |          |           |
|              |                                     |      |     |     |     |      |       |       |       |       |       |       |       |       |       |       |      |           |          |          |           |
|              |                                     |      |     |     |     |      |       |       |       |       |       |       |       |       |       |       |      |           |          |          |           |
|              |                                     |      |     |     |     |      |       |       |       |       |       |       |       |       |       |       |      |           |          |          |           |
|              |                                     |      |     |     |     |      |       |       |       |       |       |       |       |       |       |       |      |           |          |          |           |
|              |                                     |      |     |     |     |      |       |       |       |       |       |       |       |       |       |       |      |           |          |          |           |
|              |                                     |      |     |     |     |      |       |       |       |       |       |       |       |       |       |       |      |           |          |          |           |
|              |                                     |      |     |     |     |      |       |       |       |       |       |       |       |       |       |       |      |           |          |          |           |
|              |                                     |      |     |     |     |      |       |       |       |       |       |       |       |       |       |       |      |           |          |          |           |
|              |                                     |      |     |     |     |      |       |       |       |       |       |       |       |       |       |       |      |           |          |          |           |
|              |                                     |      |     |     |     |      |       |       |       |       |       |       |       |       |       |       |      |           |          |          |           |
|              |                                     |      |     |     |     |      |       |       |       |       |       |       |       |       |       |       |      |           |          |          |           |
|              |                                     |      |     |     |     |      |       |       |       |       |       |       |       |       |       |       |      |           |          |          |           |
|              |                                     |      |     |     |     |      |       |       |       |       |       |       |       |       |       |       |      |           |          |          |           |
|              |                                     |      |     |     |     |      |       |       |       |       |       |       |       |       |       |       |      |           |          |          |           |
|              |                                     |      |     |     |     |      |       |       |       |       |       |       |       |       |       |       |      |           |          |          |           |
|              |                                     |      |     |     |     |      |       |       |       |       |       |       |       |       |       |       |      |           |          |          |           |
|              |                                     |      |     |     |     |      |       |       |       |       |       |       |       |       |       |       |      |           |          |          |           |
|              |                                     |      |     |     |     |      |       |       |       |       |       |       |       |       |       |       |      |           |          |          |           |
|              |                                     |      |     |     |     |      |       |       |       |       |       |       |       |       |       |       |      |           |          |          |           |
|              |                                     |      |     |     |     |      |       |       |       |       |       |       |       |       |       |       |      |           |          |          |           |
|              |                                     |      |     |     |     |      |       |       |       |       |       |       |       |       |       |       |      |           |          |          |           |
|              |                                     |      |     |     |     |      |       |       |       |       |       |       |       |       |       |       |      |           |          |          |           |
|              |                                     |      |     |     |     |      |       |       |       |       |       |       |       |       |       |       |      |           |          |          |           |
|              |                                     |      |     |     |     |      |       |       |       |       |       |       |       |       |       |       |      |           |          |          |           |
|              |                                     |      |     |     |     |      |       |       |       |       |       |       |       |       |       |       |      |           |          |          |           |
|              |                                     |      |     |     |     |      |       |       |       |       |       |       |       |       |       |       |      |           |          |          |           |
|              |                                     |      |     |     |     |      |       |       |       |       |       |       |       |       |       |       |      |           |          |          |           |
|              |                                     |      |     |     |     |      |       |       |       |       |       |       |       |       |       |       |      |           |          |          |           |
|              |                                     |      |     |     |     |      |       |       |       |       |       |       |       |       |       |       |      |           |          |          |           |
|              |                                     |      |     |     |     |      |       |       |       |       |       |       |       |       |       |       |      |           |          |          |           |

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

# PSYCHROMETRIC SUMMARY

2001 MAUI OPTICAL SITE HI NORTH TOWER 79

STATION

STATION NAME

YEARS

APR  
MONTH

PAGE 1 2100-2300  
HOURS (L. S. T.)

| Temp<br>(F) | WET BULB TEMPERATURE DEPRESSION (F) |     |     |     |     |      |                |       |          |       |                                    |        |        |        |        |        | TOTAL | TOTAL     |          |          |           |
|-------------|-------------------------------------|-----|-----|-----|-----|------|----------------|-------|----------|-------|------------------------------------|--------|--------|--------|--------|--------|-------|-----------|----------|----------|-----------|
|             | 0                                   | 1-2 | 3-4 | 5-6 | 7-8 | 9-10 | 11-12          | 13-14 | 15-16    | 17-18 | 19-20                              | 21-22  | 23-24  | 25-26  | 27-28  | 29-30  | ≥ 31  | D.B./W.B. | Dry Bulb | Wet Bulb | Dew Point |
| 12/ 53      |                                     |     |     |     |     |      |                |       |          |       | 1.2                                |        |        |        |        |        |       | 1         | 1        |          |           |
| 11/ 49      |                                     |     |     |     |     |      |                |       |          | 1.2   |                                    |        |        |        |        |        |       | 1         | 1        |          |           |
| 10/ 47      |                                     |     |     |     |     |      |                |       | 1.2      | 3.6   |                                    |        |        |        |        |        |       | 4         | 4        |          |           |
| 09/ 45      |                                     |     |     |     |     | 2.4  | 1.2            | 1.2   | 4.8      | 4.8   |                                    |        |        |        |        |        |       | 12        | 12       |          |           |
| 08/ 43      |                                     | 1.2 | 1.2 |     | 1.2 | 1.2  | 3.6            | 1.2   | 4.8      |       |                                    |        |        |        |        |        |       | 12        | 12       |          |           |
| 07/ 41      | 1.2                                 | 4.8 |     | 1.2 | 1.2 | 2.4  | 1.2            | 3.6   | 7.1      |       |                                    |        |        |        |        |        |       | 19        | 19       | 3        | 3         |
| 06/ 39      |                                     | 7.1 | 1.2 | 1.2 | 1.2 |      |                |       | 1.2      |       |                                    |        |        |        |        |        |       | 13        | 13       | 7        | 2         |
| 05/ 37      | 3.6                                 | 4.8 | 2.4 |     | 1.2 |      |                | 3.6   |          |       |                                    |        |        |        |        |        |       | 13        | 13       | 7        | 6         |
| 04/ 35      | 1.2                                 |     |     |     | 1.2 |      |                |       |          |       |                                    |        |        |        |        |        |       | 2         | 2        | 10       | 7         |
| 03/ 33      |                                     | 2.4 |     | 1.2 |     |      | 1.2            |       |          |       |                                    |        |        |        |        |        |       | 4         | 4        | 8        | 7         |
| 02/ 31      |                                     |     | 2.4 | 1.2 | 1.2 |      |                |       |          |       |                                    |        |        |        |        |        |       | 4         | 4        | 11       | 3         |
| 01/ 29      |                                     | 1.2 |     |     |     |      |                |       |          |       |                                    |        |        |        |        |        |       | 1         | 1        | 15       | 3         |
| 00/ 27      |                                     |     | 1.2 |     |     |      |                |       |          |       |                                    |        |        |        |        |        |       | 1         | 1        | 9        |           |
| 23/ 25      |                                     |     |     |     |     |      |                |       |          |       |                                    |        |        |        |        |        |       |           |          | 9        | 3         |
| 22/ 23      |                                     |     |     |     |     |      |                |       |          |       |                                    |        |        |        |        |        |       |           |          | 4        | 1         |
| 21/ 21      |                                     |     |     |     |     |      |                |       |          |       |                                    |        |        |        |        |        |       |           |          | 1        | 5         |
| 20/ 19      |                                     |     |     |     |     |      |                |       |          |       |                                    |        |        |        |        |        |       |           |          |          | 2         |
| 19/ 17      |                                     |     |     |     |     |      |                |       |          |       |                                    |        |        |        |        |        |       |           |          |          | 8         |
| 18/ 15      |                                     |     |     |     |     |      |                |       |          |       |                                    |        |        |        |        |        |       |           |          |          | 2         |
| 17/ 13      |                                     |     |     |     |     |      |                |       |          |       |                                    |        |        |        |        |        |       |           |          |          | 1         |
| 16/ 11      |                                     |     |     |     |     |      |                |       |          |       |                                    |        |        |        |        |        |       |           |          |          | 2         |
| 15/ 9       |                                     |     |     |     |     |      |                |       |          |       |                                    |        |        |        |        |        |       |           |          |          | 2         |
| 14/ 7       |                                     |     |     |     |     |      |                |       |          |       |                                    |        |        |        |        |        |       |           |          |          | 2         |
| 13/ 5       |                                     |     |     |     |     |      |                |       |          |       |                                    |        |        |        |        |        |       |           |          |          | 2         |
| 12/ 3       |                                     |     |     |     |     |      |                |       |          |       |                                    |        |        |        |        |        |       |           |          |          | 2         |
| 11/ 1       |                                     |     |     |     |     |      |                |       |          |       |                                    |        |        |        |        |        |       |           |          |          | 2         |
| 10/ -1      |                                     |     |     |     |     |      |                |       |          |       |                                    |        |        |        |        |        |       |           |          |          | 2         |
| 09/ -3      |                                     |     |     |     |     |      |                |       |          |       |                                    |        |        |        |        |        |       |           |          |          | 4         |
| 08/ -5      |                                     |     |     |     |     |      |                |       |          |       |                                    |        |        |        |        |        |       |           |          |          | 2         |
| 07/ -7      |                                     |     |     |     |     |      |                |       |          |       |                                    |        |        |        |        |        |       |           |          |          | 2         |
| 06/ -9      |                                     |     |     |     |     |      |                |       |          |       |                                    |        |        |        |        |        |       |           |          |          | 2         |
| 05/ -11     |                                     |     |     |     |     |      |                |       |          |       |                                    |        |        |        |        |        |       |           |          |          | 5         |
| 04/ -13     |                                     |     |     |     |     |      |                |       |          |       |                                    |        |        |        |        |        |       |           |          |          | 2         |
| 03/ -15     |                                     |     |     |     |     |      |                |       |          |       |                                    |        |        |        |        |        |       |           |          |          | 2         |
| 02/ -17     |                                     |     |     |     |     |      |                |       |          |       |                                    |        |        |        |        |        |       |           |          |          | 2         |
| 01/ -19     |                                     |     |     |     |     |      |                |       |          |       |                                    |        |        |        |        |        |       |           |          |          | 1         |
| 00/ -21     |                                     |     |     |     |     |      |                |       |          |       |                                    |        |        |        |        |        |       |           |          |          | 1         |
| 23/ -23     |                                     |     |     |     |     |      |                |       |          |       |                                    |        |        |        |        |        |       |           |          |          | 1         |
| Element (X) | Σ X'                                |     | Σ X |     | X   |      | e <sub>x</sub> |       | No. Obs. |       | Mean No. of Hours with Temperature |        |        |        |        |        | Total |           |          |          |           |
| Rel. Hum.   |                                     |     |     |     |     |      |                |       |          |       | ≤ 0 F                              | ≤ 32 F | ≥ 67 F | ≥ 73 F | ≥ 80 F | ≥ 93 F |       |           |          |          |           |
| Dry Bulb    |                                     |     |     |     |     |      |                |       |          |       |                                    |        |        |        |        |        |       |           |          |          |           |
| Wet Bulb    |                                     |     |     |     |     |      |                |       |          |       |                                    |        |        |        |        |        |       |           |          |          |           |
| Dew Point   |                                     |     |     |     |     |      |                |       |          |       |                                    |        |        |        |        |        |       |           |          |          |           |

## PSYCHROMETRIC SUMMARY

|         |                                  |    |
|---------|----------------------------------|----|
| 0001    | MAUI OPTICAL SITE HI NORTH TOWER | 79 |
| STATION | STATION NAME                     |    |

**YEARS**

APR  
MONTH

PAGE 2 2100-2300  
HOURS (L. S. T.)

[illegible]

## PSYCHROMETRIC SUMMARY

APR  
MONTH

STATION

STATION NAME

**YEARS**

**MONTH**

PAGE 2

ALL

HOURS (L. S. T.)

[illegible]

## PSYCHROMETRIC SUMMARY

YEARS

MAY  
MONTH

PAGE 1 0000-0200  
HOURS (L. S. T.)

| Temp.<br>(F) | WET BULB TEMPERATURE DEPRESSION (F) |     |     |     |     |      |       |       |       |       |       |       |       |       |       |       |      |           | TOTAL                              | TOTAL    |           |        |        |        |       |
|--------------|-------------------------------------|-----|-----|-----|-----|------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|------|-----------|------------------------------------|----------|-----------|--------|--------|--------|-------|
|              | 0                                   | 1-2 | 3-4 | 5-6 | 7-8 | 9-10 | 11-12 | 13-14 | 15-16 | 17-18 | 19-20 | 21-22 | 23-24 | 25-26 | 27-28 | 29-30 | ≥ 31 | D.B./W.B. | Dry Bulb                           | Wet Bulb | Dew Point |        |        |        |       |
| 54 / 53      |                                     |     |     |     |     |      |       |       | 1.1   | 1.1   | 3.2   |       |       |       |       |       |      | 5         | 5                                  |          |           |        |        |        |       |
| 52 / 51      |                                     |     |     |     |     |      | 2.2   | 3.2   | 1.1   | 7.5   | 5.4   |       |       |       |       |       |      | 18        | 18                                 |          |           |        |        |        |       |
| 50 / 49      |                                     |     |     |     |     |      | 1.1   | 2.2   | 2.2   | 7.5   | 4.3   |       |       |       |       |       |      | 16        | 16                                 |          |           |        |        |        |       |
| 48 / 47      |                                     |     |     |     |     |      | 1.1   | 1.1   | 4.3   | 8.6   |       |       |       |       |       |       |      | 14        | 14                                 |          |           |        |        |        |       |
| 46 / 45      |                                     |     |     |     |     |      | 5.4   | 3.2   | 8.6   | 4.3   |       |       |       |       |       |       |      | 20        | 20                                 |          |           |        |        |        |       |
| 44 / 43      |                                     |     |     |     |     | 1.1  | 3.2   |       | 5.4   |       |       |       |       |       |       |       |      | 9         | 9                                  |          |           |        |        |        |       |
| 42 / 41      |                                     |     |     | 1.1 |     | 1.1  |       |       |       |       |       |       |       |       |       |       |      | 2         | 2                                  |          |           |        |        |        |       |
| 40 / 39      |                                     | 1.1 |     |     | 1.1 | 2.2  | 1.1   | 1.1   |       |       |       |       |       |       |       |       |      | 6         | 6                                  | 2        |           |        |        |        |       |
| 38 / 37      |                                     |     |     |     | 1.1 |      | 1.1   |       |       |       |       |       |       |       |       |       |      | 2         | 2                                  | 7        |           |        |        |        |       |
| 36 / 35      |                                     |     |     |     |     |      |       |       |       |       |       |       |       |       |       |       |      |           |                                    | 9        | 1         |        |        |        |       |
| 34 / 33      |                                     |     |     |     |     |      | 1.1   |       |       |       |       |       |       |       |       |       |      | 1         | 1                                  | 22       |           |        |        |        |       |
| 32 / 31      |                                     |     |     |     |     |      |       |       |       |       |       |       |       |       |       |       |      |           |                                    | 22       |           |        |        |        |       |
| 30 / 29      |                                     |     |     |     |     |      |       |       |       |       |       |       |       |       |       |       |      |           |                                    | 26       | 1         |        |        |        |       |
| 28 / 27      |                                     |     |     |     |     |      |       |       |       |       |       |       |       |       |       |       |      |           |                                    | 3        |           |        |        |        |       |
| 26 / 25      |                                     |     |     |     |     |      |       |       |       |       |       |       |       |       |       |       |      |           |                                    | 1        | 2         |        |        |        |       |
| 24 / 23      |                                     |     |     |     |     |      |       |       |       |       |       |       |       |       |       |       |      |           |                                    | 1        |           |        |        |        |       |
| 22 / 21      |                                     |     |     |     |     |      |       |       |       |       |       |       |       |       |       |       |      |           |                                    |          | 1         |        |        |        |       |
| 20 / 19      |                                     |     |     |     |     |      |       |       |       |       |       |       |       |       |       |       |      |           |                                    |          | 4         |        |        |        |       |
| 18 / 17      |                                     |     |     |     |     |      |       |       |       |       |       |       |       |       |       |       |      |           |                                    |          | 9         |        |        |        |       |
| 16 / 15      |                                     |     |     |     |     |      |       |       |       |       |       |       |       |       |       |       |      |           |                                    |          | 5         |        |        |        |       |
| 14 / 13      |                                     |     |     |     |     |      |       |       |       |       |       |       |       |       |       |       |      |           |                                    |          | 3         |        |        |        |       |
| 12 / 11      |                                     |     |     |     |     |      |       |       |       |       |       |       |       |       |       |       |      |           |                                    |          | 1         |        |        |        |       |
| 10 / 9       |                                     |     |     |     |     |      |       |       |       |       |       |       |       |       |       |       |      |           |                                    |          | 6         |        |        |        |       |
| 8 / 7        |                                     |     |     |     |     |      |       |       |       |       |       |       |       |       |       |       |      |           |                                    |          | 3         |        |        |        |       |
| 6 / 5        |                                     |     |     |     |     |      |       |       |       |       |       |       |       |       |       |       |      |           |                                    |          | 4         |        |        |        |       |
| 4 / 3        |                                     |     |     |     |     |      |       |       |       |       |       |       |       |       |       |       |      |           |                                    |          | 4         |        |        |        |       |
| 2 / 1        |                                     |     |     |     |     |      |       |       |       |       |       |       |       |       |       |       |      |           |                                    |          | 7         |        |        |        |       |
| 0 / 0        |                                     |     |     |     |     |      |       |       |       |       |       |       |       |       |       |       |      |           |                                    |          | 7         |        |        |        |       |
| -2 / -3      |                                     |     |     |     |     |      |       |       |       |       |       |       |       |       |       |       |      |           |                                    |          | 4         |        |        |        |       |
| -4 / -5      |                                     |     |     |     |     |      |       |       |       |       |       |       |       |       |       |       |      |           |                                    |          | 8         |        |        |        |       |
| -6 / -7      |                                     |     |     |     |     |      |       |       |       |       |       |       |       |       |       |       |      |           |                                    |          | 4         |        |        |        |       |
| -8 / -9      |                                     |     |     |     |     |      |       |       |       |       |       |       |       |       |       |       |      |           |                                    |          | 3         |        |        |        |       |
| -10 / -11    |                                     |     |     |     |     |      |       |       |       |       |       |       |       |       |       |       |      |           |                                    |          | 3         |        |        |        |       |
| -12 / -13    |                                     |     |     |     |     |      |       |       |       |       |       |       |       |       |       |       |      |           |                                    |          | 2         |        |        |        |       |
| Element (X)  | Σ X'                                |     | Σ X |     | Σ   |      | Σ     |       | Σ     |       | Σ     |       | Σ     |       | Σ     |       | Σ    |           | Mean No. of Hours with Temperature |          |           |        |        |        |       |
| Ref. Hum.    |                                     |     |     |     |     |      |       |       |       |       |       |       |       |       |       |       |      |           | ≤ 0 F                              | ≤ 32 F   | ≥ 67 F    | ≥ 73 F | ≥ 80 F | ≥ 93 F | Total |
| Dry Bulb     |                                     |     |     |     |     |      |       |       |       |       |       |       |       |       |       |       |      |           |                                    |          |           |        |        |        |       |
| Wet Bulb     |                                     |     |     |     |     |      |       |       |       |       |       |       |       |       |       |       |      |           |                                    |          |           |        |        |        |       |
| Dew Point    |                                     |     |     |     |     |      |       |       |       |       |       |       |       |       |       |       |      |           |                                    |          |           |        |        |        |       |

## PSYCHROMETRIC SUMMARY

|         |                                  |    |
|---------|----------------------------------|----|
| 0001    | MAUI OPTICAL SITE HI NORTH TOWER | 79 |
| STATION | STATION NAME                     |    |

**YEARS**

MAY  
MONTH

PAGE 2

0000-0200  
HOURS (L. S. T.)

[illegible]



GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

# PSYCHROMETRIC SUMMARY

PLD MAUI OPTICAL SITE HI NORTH TOWER  
STATION STATION NAME

79  
YEARS

MAY  
MONTH

PAGE 1 0300-0500  
HOURS (L. S. Y.)

| Temp<br>(F) | WET BULB TEMPERATURE DEPRESSION (F) |     |     |     |     |      |       |       |       |       |          |       |                                    |        |        |        |        |          |       |          |           | TOTAL<br>D.B./W.B. | TOTAL |  |  |
|-------------|-------------------------------------|-----|-----|-----|-----|------|-------|-------|-------|-------|----------|-------|------------------------------------|--------|--------|--------|--------|----------|-------|----------|-----------|--------------------|-------|--|--|
|             | 0                                   | 1-2 | 3-4 | 5-6 | 7-8 | 9-10 | 11-12 | 13-14 | 15-16 | 17-18 | 19-20    | 21-22 | 23-24                              | 25-26  | 27-28  | 29-30  | ≥ 31   | Dry Bulb |       | Wet Bulb | Dew Point |                    |       |  |  |
| 4/ 53       |                                     |     |     |     |     |      |       |       |       |       | 1.1      |       |                                    |        |        |        |        |          |       |          | 1         |                    | 1     |  |  |
| 2/ 51       |                                     |     |     |     |     |      |       | 3.2   | 1.1   | 6.5   | 5.4      |       |                                    |        |        |        |        | 15       |       | 15       |           |                    |       |  |  |
| 5/ 49       |                                     |     |     |     |     |      | 3.2   | 2.2   | 3.2   | 2.2   | 2.2      |       |                                    |        |        |        |        | 12       |       | 12       |           |                    |       |  |  |
| 48/ 47      |                                     |     |     |     |     |      | 2.2   | 4.3   | 5.4   | 8.6   |          |       |                                    |        |        |        |        | 19       |       | 19       |           |                    |       |  |  |
| 40/ 45      |                                     |     |     |     |     |      | 3.2   | 5.4   | 8.6   | 4.3   |          |       |                                    |        |        |        |        | 20       |       | 20       |           |                    |       |  |  |
| 44/ 43      |                                     |     |     |     |     | 4.3  | 3.2   | 6.5   | 4.3   | 1.1   |          |       |                                    |        |        |        |        | 18       |       | 18       |           |                    |       |  |  |
| 42/ 41      |                                     |     |     |     | 2.2 |      | 2.2   |       |       |       |          |       |                                    |        |        |        |        | 4        |       | 4        |           |                    |       |  |  |
| 4/ 39       |                                     | 1.1 |     |     |     |      |       | 1.1   |       |       |          |       |                                    |        |        |        |        | 2        |       | 2        |           |                    |       |  |  |
| 30/ 37      |                                     |     |     | 1.1 |     | 1.1  |       |       |       |       |          |       |                                    |        |        |        |        |          |       |          |           |                    |       |  |  |
| 31/ 35      |                                     |     |     |     |     |      |       |       |       |       |          |       |                                    |        |        |        |        |          |       |          |           |                    |       |  |  |
| 34/ 33      |                                     |     |     |     |     |      |       |       |       |       |          |       |                                    |        |        |        |        |          |       |          |           |                    |       |  |  |
| 32/ 31      |                                     |     |     |     |     |      |       |       |       |       |          |       |                                    |        |        |        |        |          |       |          |           |                    |       |  |  |
| 2/ 29       |                                     |     |     |     |     |      |       |       |       |       |          |       |                                    |        |        |        |        |          |       |          |           |                    |       |  |  |
| 28/ 27      |                                     |     |     |     |     |      |       |       |       |       |          |       |                                    |        |        |        |        |          |       |          |           |                    |       |  |  |
| 20/ 25      |                                     |     |     |     |     |      |       |       |       |       |          |       |                                    |        |        |        |        |          |       |          |           |                    |       |  |  |
| 24/ 23      |                                     |     |     |     |     |      |       |       |       |       |          |       |                                    |        |        |        |        |          |       |          |           |                    |       |  |  |
| 2/ 21       |                                     |     |     |     |     |      |       |       |       |       |          |       |                                    |        |        |        |        |          |       |          |           |                    |       |  |  |
| 1/ 19       |                                     |     |     |     |     |      |       |       |       |       |          |       |                                    |        |        |        |        |          |       |          |           |                    |       |  |  |
| 16/ 17      |                                     |     |     |     |     |      |       |       |       |       |          |       |                                    |        |        |        |        |          |       |          |           |                    |       |  |  |
| 10/ 15      |                                     |     |     |     |     |      |       |       |       |       |          |       |                                    |        |        |        |        |          |       |          |           |                    |       |  |  |
| 16/ 13      |                                     |     |     |     |     |      |       |       |       |       |          |       |                                    |        |        |        |        |          |       |          |           |                    |       |  |  |
| 12/ 11      |                                     |     |     |     |     |      |       |       |       |       |          |       |                                    |        |        |        |        |          |       |          |           |                    |       |  |  |
| 8/ 9        |                                     |     |     |     |     |      |       |       |       |       |          |       |                                    |        |        |        |        |          |       |          |           |                    |       |  |  |
| 6/ 7        |                                     |     |     |     |     |      |       |       |       |       |          |       |                                    |        |        |        |        |          |       |          |           |                    |       |  |  |
| 4/ 5        |                                     |     |     |     |     |      |       |       |       |       |          |       |                                    |        |        |        |        |          |       |          |           |                    |       |  |  |
| 2/ 3        |                                     |     |     |     |     |      |       |       |       |       |          |       |                                    |        |        |        |        |          |       |          |           |                    |       |  |  |
| 2/ 1        |                                     |     |     |     |     |      |       |       |       |       |          |       |                                    |        |        |        |        |          |       |          |           |                    |       |  |  |
| 1/ -1       |                                     |     |     |     |     |      |       |       |       |       |          |       |                                    |        |        |        |        |          |       |          |           |                    |       |  |  |
| -4/ -5      |                                     |     |     |     |     |      |       |       |       |       |          |       |                                    |        |        |        |        |          |       |          |           |                    |       |  |  |
| -5/ -7      |                                     |     |     |     |     |      |       |       |       |       |          |       |                                    |        |        |        |        |          |       |          |           |                    |       |  |  |
| -7/ -9      |                                     |     |     |     |     |      |       |       |       |       |          |       |                                    |        |        |        |        |          |       |          |           |                    |       |  |  |
| -1/ -11     |                                     |     |     |     |     |      |       |       |       |       |          |       |                                    |        |        |        |        |          |       |          |           |                    |       |  |  |
| -11/ -13    |                                     |     |     |     |     |      |       |       |       |       |          |       |                                    |        |        |        |        |          |       |          |           |                    |       |  |  |
| -14/ -15    |                                     |     |     |     |     |      |       |       |       |       |          |       |                                    |        |        |        |        |          |       |          |           |                    |       |  |  |
| Element (X) | Σ X <sup>2</sup>                    |     | Σ X |     | Σ   |      | Σ     |       | Σ     |       | No. Obs. |       | Mean No. of Hours with Temperature |        |        |        |        |          |       |          |           |                    |       |  |  |
| Rel. Hum.   |                                     |     |     |     |     |      |       |       |       |       |          |       | ≤ 0 F                              | ≤ 32 F | ≥ 67 F | ≥ 73 F | ≥ 80 F | ≥ 93 F   | Total |          |           |                    |       |  |  |
| Dry Bulb    |                                     |     |     |     |     |      |       |       |       |       |          |       |                                    |        |        |        |        |          |       |          |           |                    |       |  |  |
| Wet Bulb    |                                     |     |     |     |     |      |       |       |       |       |          |       |                                    |        |        |        |        |          |       |          |           |                    |       |  |  |
| Dew Point   |                                     |     |     |     |     |      |       |       |       |       |          |       |                                    |        |        |        |        |          |       |          |           |                    |       |  |  |

## PSYCHROMETRIC SUMMARY

MAY  
MONTH

PAGE 2 0300-0500  
HOURS (L. S. T.)

[illegible]

USAFETAC FORM 0-26-5 (OLA)  
REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

## PSYCHROMETRIC SUMMARY

                     YEARS    MAY  
MONTH

PAGE 1 0600-0800  
HOURS (L. S. T.)

0-26-5 (OLA) REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

**USAFETAC**

## PSYCHROMETRIC SUMMARY

**YEARS**

MAY  
MONTH

HOURS (L. S. T.)

[illegible]

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

# PSYCHROMETRIC SUMMARY

0001 MAUI OPTICAL SITE HI NORTH TOWER 79  
STATION STATION NAME YEARS

MAY  
MONTH

PAGE 1 0900-1100  
HOURS (L. S. T.)

| Temp<br>(F) | WET BULB TEMPERATURE DEPRESSION (F) |     |     |                |          |                                    |        |        |        |        |        |       |       |       |       |       |     | TOTAL<br>D.B./W.B. | TOTAL    |           |  |
|-------------|-------------------------------------|-----|-----|----------------|----------|------------------------------------|--------|--------|--------|--------|--------|-------|-------|-------|-------|-------|-----|--------------------|----------|-----------|--|
|             | 0                                   | 1-2 | 3-4 | 5-6            | 7-8      | 9-10                               | 11-12  | 13-14  | 15-16  | 17-18  | 19-20  | 21-22 | 23-24 | 25-26 | 27-28 | 29-30 | ≥31 | Dry Bulb           | Wet Bulb | Dew Point |  |
| 6 / 59      |                                     |     |     |                |          |                                    |        |        |        | 1.1    | 1.1    | 1.1   |       |       |       |       |     | 3                  | 3        |           |  |
| 58 / 57     |                                     |     |     |                |          |                                    |        |        |        | 5.4    | 4.3    | 3.3   |       |       |       |       |     | 12                 | 12       |           |  |
| 56 / 55     |                                     |     |     |                |          |                                    |        |        | 1.1    | 6.5    | 3.3    | 5.4   |       |       |       |       |     | 15                 | 15       |           |  |
| 54 / 53     |                                     |     |     |                |          |                                    | 1.1    |        | 5.4    | 6.5    | 3.3    | 2.2   |       |       |       |       |     | 17                 | 17       |           |  |
| 52 / 51     |                                     |     |     |                |          |                                    | 4.3    | 2.2    | 5.4    | 10.9   | 2.2    |       |       |       |       |       |     | 23                 | 23       |           |  |
| 50 / 49     |                                     |     |     |                |          |                                    | 3.3    |        | 2.2    | 4.3    |        |       |       |       |       |       |     | 9                  | 9        |           |  |
| 48 / 47     |                                     |     |     |                |          | 2.2                                | 2.2    | 1.1    | 1.1    |        |        |       |       |       |       |       |     | 6                  | 6        |           |  |
| 46 / 45     |                                     |     |     |                | 1.1      |                                    | 1.1    | 1.1    | 1.1    |        |        |       |       |       |       |       |     | 4                  | 4        |           |  |
| 44 / 43     |                                     |     |     |                |          |                                    | 1.1    |        |        |        |        |       |       |       |       |       |     | 1                  | 1        |           |  |
| 42 / 41     |                                     |     |     |                |          |                                    |        | 1.1    |        |        |        |       |       |       |       |       |     | 1                  | 1        | 4         |  |
| 40 / 39     |                                     |     |     |                |          |                                    | 1.1    |        |        |        |        |       |       |       |       |       |     | 1                  | 1        | 20        |  |
| 38 / 37     |                                     |     |     |                |          |                                    |        |        |        |        |        |       |       |       |       |       |     |                    |          | 16        |  |
| 36 / 35     |                                     |     |     |                |          |                                    |        |        |        |        |        |       |       |       |       |       |     |                    |          | 21        |  |
| 34 / 33     |                                     |     |     |                |          |                                    |        |        |        |        |        |       |       |       |       |       |     |                    |          | 21        |  |
| 32 / 31     |                                     |     |     |                |          |                                    |        |        |        |        |        |       |       |       |       |       |     |                    |          | 7         |  |
| 30 / 29     |                                     |     |     |                |          |                                    |        |        |        |        |        |       |       |       |       |       |     |                    |          | 3         |  |
| 28 / 27     |                                     |     |     |                |          |                                    |        |        |        |        |        |       |       |       |       |       |     |                    |          | 5         |  |
| 26 / 25     |                                     |     |     |                |          |                                    |        |        |        |        |        |       |       |       |       |       |     |                    |          | 4         |  |
| 24 / 23     |                                     |     |     |                |          |                                    |        |        |        |        |        |       |       |       |       |       |     |                    |          | 1         |  |
| 22 / 21     |                                     |     |     |                |          |                                    |        |        |        |        |        |       |       |       |       |       |     |                    |          | 3         |  |
| 20 / 19     |                                     |     |     |                |          |                                    |        |        |        |        |        |       |       |       |       |       |     |                    |          | 4         |  |
| 18 / 17     |                                     |     |     |                |          |                                    |        |        |        |        |        |       |       |       |       |       |     |                    |          | 8         |  |
| 16 / 15     |                                     |     |     |                |          |                                    |        |        |        |        |        |       |       |       |       |       |     |                    |          | 9         |  |
| 14 / 13     |                                     |     |     |                |          |                                    |        |        |        |        |        |       |       |       |       |       |     |                    |          | 5         |  |
| 12 / 11     |                                     |     |     |                |          |                                    |        |        |        |        |        |       |       |       |       |       |     |                    |          | 2         |  |
| 10 / 9      |                                     |     |     |                |          |                                    |        |        |        |        |        |       |       |       |       |       |     |                    |          | 7         |  |
| 8 / 7       |                                     |     |     |                |          |                                    |        |        |        |        |        |       |       |       |       |       |     |                    |          | 8         |  |
| 6 / 5       |                                     |     |     |                |          |                                    |        |        |        |        |        |       |       |       |       |       |     |                    |          | 3         |  |
| 4 / 3       |                                     |     |     |                |          |                                    |        |        |        |        |        |       |       |       |       |       |     |                    |          | 7         |  |
| 2 / 1       |                                     |     |     |                |          |                                    |        |        |        |        |        |       |       |       |       |       |     |                    |          | 7         |  |
| 0 / -1      |                                     |     |     |                |          |                                    |        |        |        |        |        |       |       |       |       |       |     |                    |          | 3         |  |
| -2 / -5     |                                     |     |     |                |          |                                    |        |        |        |        |        |       |       |       |       |       |     |                    |          | 3         |  |
| -4 / -7     |                                     |     |     |                |          |                                    |        |        |        |        |        |       |       |       |       |       |     |                    |          | 2         |  |
| -6 / -11    |                                     |     |     |                |          |                                    |        |        |        |        |        |       |       |       |       |       |     |                    |          | 1         |  |
| Element (X) | Σ X <sup>2</sup>                    | Σ X | X̄  | C <sub>x</sub> | No. Obs. | Mean No. of Hours with Temperature |        |        |        |        |        | Total |       |       |       |       |     |                    |          |           |  |
| Rel. Hum.   |                                     |     |     |                |          | ≤ 0 F                              | ≤ 32 F | ≥ 67 F | ≥ 73 F | ≥ 80 F | ≥ 93 F |       |       |       |       |       |     |                    |          |           |  |
| Dry Bulb    |                                     |     |     |                |          |                                    |        |        |        |        |        |       |       |       |       |       |     |                    |          |           |  |
| Wet Bulb    |                                     |     |     |                |          |                                    |        |        |        |        |        |       |       |       |       |       |     |                    |          |           |  |
| Dew Point   |                                     |     |     |                |          |                                    |        |        |        |        |        |       |       |       |       |       |     |                    |          |           |  |

FORM 0-26-5 (OLA)  
JUL 64

USAFETAC

REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

## PSYCHROMETRIC SUMMARY

**MAY**  
**MONTH**

PAGE 2 0900-1100  
HOURS (L. S. T.)

[illegible]

USAFETAC  
FORM 0 26-5 (OLA)  
JUL 64  
REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

## PSYCHROMETRIC SUMMARY

MAY  
MONTH

PAGE 3 1200-1400  
HOURS (L. S. T.)

| Temp.<br>(F) | WET BULB TEMPERATURE DEPRESSION (F) |     |            |     |           |      |            |       |          |       |                                     |       |       |       |       |       |      |           |          |          | TOTAL     |  | TOTAL |  |  |
|--------------|-------------------------------------|-----|------------|-----|-----------|------|------------|-------|----------|-------|-------------------------------------|-------|-------|-------|-------|-------|------|-----------|----------|----------|-----------|--|-------|--|--|
|              | 0                                   | 1-2 | 3-4        | 5-6 | 7-8       | 9-10 | 11-12      | 13-14 | 15-16    | 17-18 | 19-20                               | 21-22 | 23-24 | 25-26 | 27-28 | 29-30 | ≥ 31 | D.B./W.B. | Dry Bulb | Wet Bulb | Dew Point |  |       |  |  |
| 64/ 63       |                                     |     |            |     |           |      |            |       |          |       | 1.1                                 |       |       |       |       |       |      | 1         | 1        |          |           |  |       |  |  |
| 62/ 61       |                                     |     |            |     |           |      |            |       | 1.1      |       |                                     | 1.1   | 1.1   |       |       |       |      | 3         | 3        |          |           |  |       |  |  |
| 6 / 59       |                                     |     |            |     |           |      |            | 1.1   | 3.2      | 2.2   | 2.2                                 | 1.1   |       |       |       |       |      | 9         | 9        |          |           |  |       |  |  |
| 58/ 57       |                                     |     |            |     |           |      |            | 1.1   | 6.5      | 4.3   | 3.2                                 | 3.2   |       |       |       |       |      | 17        | 17       |          |           |  |       |  |  |
| 56/ 55       |                                     |     |            |     |           |      |            | 1.1   | 1.1      | 3.2   | 1.1                                 | 3.2   | 3.2   |       |       |       |      | 12        | 12       |          |           |  |       |  |  |
| 54/ 53       |                                     |     |            |     |           |      |            | 4.3   | 4.3      | 1.1   | 3.2                                 | 2.2   | 1.1   |       |       |       |      | 15        | 15       |          |           |  |       |  |  |
| 52/ 51       |                                     |     |            |     |           |      |            | 3.2   | 1.1      | 2.2   | 3.2                                 | 1.1   |       |       |       |       |      | 10        | 10       |          |           |  |       |  |  |
| 5 / 49       |                                     |     |            |     |           | 3.2  | 2.2        | 1.1   | 1.1      | 2.2   |                                     |       |       |       |       |       |      | 9         | 9        |          |           |  |       |  |  |
| 46/ 47       |                                     |     |            |     | 2.2       |      | 1.1        |       |          | 1.1   |                                     |       |       |       |       |       |      | 4         | 4        |          |           |  |       |  |  |
| 46/ 45       |                                     |     |            |     |           | 2.2  | 1.1        |       |          |       |                                     |       |       |       |       |       |      | 3         | 3        | 5        |           |  |       |  |  |
| 44/ 43       |                                     |     |            | 1.1 | 3.2       | 1.1  |            |       | 2.2      |       |                                     |       |       |       |       |       |      | 7         | 7        | 4        |           |  |       |  |  |
| 42/ 41       |                                     |     |            |     |           | 1.1  |            | 1.1   |          |       |                                     |       |       |       |       |       |      | 2         | 2        | 16       |           |  |       |  |  |
| 4 / 39       |                                     |     |            |     |           |      |            |       |          |       |                                     |       |       |       |       |       |      |           |          | 22       |           |  |       |  |  |
| 36/ 37       |                                     |     |            |     |           |      |            |       |          |       |                                     |       |       |       |       |       |      |           |          | 11       |           |  |       |  |  |
| 35/ 35       |                                     |     | 1.1        |     |           |      |            |       |          |       |                                     |       |       |       |       |       |      | 1         | 1        | 19       |           |  |       |  |  |
| 34/ 33       |                                     |     |            |     |           |      |            |       |          |       |                                     |       |       |       |       |       |      |           |          | 10       |           |  |       |  |  |
| 32/ 31       |                                     |     |            |     |           |      |            |       |          |       |                                     |       |       |       |       |       |      |           |          | 3        | 2         |  |       |  |  |
| 3 / 29       |                                     |     |            |     |           |      |            |       |          |       |                                     |       |       |       |       |       |      |           |          |          | 10        |  |       |  |  |
| 28/ 27       |                                     |     |            |     |           |      |            |       |          |       |                                     |       |       |       |       |       |      |           |          | 3        | 11        |  |       |  |  |
| 26/ 25       |                                     |     |            |     |           |      |            |       |          |       |                                     |       |       |       |       |       |      |           |          |          | 8         |  |       |  |  |
| 24/ 23       |                                     |     |            |     |           |      |            |       |          |       |                                     |       |       |       |       |       |      |           |          |          | 7         |  |       |  |  |
| 22/ 21       |                                     |     |            |     |           |      |            |       |          |       |                                     |       |       |       |       |       |      |           |          |          | 8         |  |       |  |  |
| 2 / 19       |                                     |     |            |     |           |      |            |       |          |       |                                     |       |       |       |       |       |      |           |          |          | 3         |  |       |  |  |
| 18/ 17       |                                     |     |            |     |           |      |            |       |          |       |                                     |       |       |       |       |       |      |           |          |          | 5         |  |       |  |  |
| 16/ 15       |                                     |     |            |     |           |      |            |       |          |       |                                     |       |       |       |       |       |      |           |          |          | 2         |  |       |  |  |
| 14/ 13       |                                     |     |            |     |           |      |            |       |          |       |                                     |       |       |       |       |       |      |           |          |          | 4         |  |       |  |  |
| 12/ 11       |                                     |     |            |     |           |      |            |       |          |       |                                     |       |       |       |       |       |      |           |          |          | 3         |  |       |  |  |
| 10 / 9       |                                     |     |            |     |           |      |            |       |          |       |                                     |       |       |       |       |       |      |           |          |          | 2         |  |       |  |  |
| 8 / 7        |                                     |     |            |     |           |      |            |       |          |       |                                     |       |       |       |       |       |      |           |          |          | 4         |  |       |  |  |
| 6 / 5        |                                     |     |            |     |           |      |            |       |          |       |                                     |       |       |       |       |       |      |           |          |          | 4         |  |       |  |  |
| 4 / 1        |                                     |     |            |     |           |      |            |       |          |       |                                     |       |       |       |       |       |      |           |          |          | 5         |  |       |  |  |
| 2 / -1       |                                     |     |            |     |           |      |            |       |          |       |                                     |       |       |       |       |       |      |           |          |          | 1         |  |       |  |  |
| -2 / -3      |                                     |     |            |     |           |      |            |       |          |       |                                     |       |       |       |       |       |      |           |          |          | 1         |  |       |  |  |
| -4 / -5      |                                     |     |            |     |           |      |            |       |          |       |                                     |       |       |       |       |       |      |           |          |          | 4         |  |       |  |  |
| Element (X)  | $\Sigma X^2$                        |     | $\Sigma X$ |     | $\bar{X}$ |      | $\sigma_x$ |       | No. Obs. |       | Meas. No. of Hours with Temperature |       |       |       |       |       |      |           |          |          |           |  |       |  |  |
|              |                                     |     |            |     |           |      |            |       |          |       |                                     |       |       |       |       |       |      |           |          |          |           |  |       |  |  |

## PSYCHROMETRIC SUMMARY

MAY  
MONTH

PAGE ? 1200-1400  
HOURS (L. S. T.)

**USAFETAC**  
FC 244  
NR 44  
0-26-5 (OLA)  
REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE



## PSYCHROMETRIC SUMMARY

| STATION | STATION NAME                     |    |
|---------|----------------------------------|----|
| 00001   | MAUI OPTICAL SITE HI NORTH TOWER | 79 |

YEARS

MAY  
MONTH

PAGE 1 1500-1700  
HOURS (L. S. T.)

| Temp.<br>(F) | WET BULB TEMPERATURE DEPRESSION (F) |     |     |     |     |      |       |       |                |       |          |       |                                    |        |        |        |        |           |          |          | TOTAL     |  | TOTAL |  |  |
|--------------|-------------------------------------|-----|-----|-----|-----|------|-------|-------|----------------|-------|----------|-------|------------------------------------|--------|--------|--------|--------|-----------|----------|----------|-----------|--|-------|--|--|
|              | 0                                   | 1-2 | 3-4 | 5-6 | 7-8 | 9-10 | 11-12 | 13-14 | 15-16          | 17-18 | 19-20    | 21-22 | 23-24                              | 25-26  | 27-28  | 29-30  | ≥ 31   | D.B./W.B. | Dry Bulb | Wet Bulb | Dew Point |  |       |  |  |
| 62/ 61       |                                     |     |     |     |     |      |       |       | 1.1            |       | 1.1      |       |                                    |        |        |        |        | 2         | 2        |          |           |  |       |  |  |
| 6 / 59       |                                     |     |     |     |     |      |       | 1.1   |                | 1.1   | 1.1      | 1.1   |                                    |        |        |        |        | 4         | 4        |          |           |  |       |  |  |
| 56/ 57       |                                     |     |     |     |     |      |       | 2.2   | 2.2            | 1.1   | 2.2      | 4.3   |                                    |        |        |        |        | 11        | 11       |          |           |  |       |  |  |
| 56/ 55       |                                     |     |     |     |     |      |       | 3.3   | 1.1            | 7.6   | 10.9     | 2.2   |                                    |        |        |        |        | 23        | 23       |          |           |  |       |  |  |
| 54/ 53       |                                     |     |     |     |     |      | 2.2   |       | 2.2            | 3.3   | 8.7      |       |                                    |        |        |        |        | 15        | 15       |          |           |  |       |  |  |
| 52/ 51       |                                     |     |     |     |     | 2.2  | 2.2   | 1.1   |                | 2.2   |          |       |                                    |        |        |        |        | 7         | 7        |          |           |  |       |  |  |
| 5 / 49       |                                     |     |     |     |     | 3.3  | 4.3   |       | 2.2            | 2.2   | 1.1      |       |                                    |        |        |        |        | 12        | 12       |          |           |  |       |  |  |
| 48/ 47       |                                     |     |     |     |     |      |       | 1.1   |                | 2.2   |          |       |                                    |        |        |        |        | 3         | 3        |          |           |  |       |  |  |
| 48/ 45       |                                     |     |     |     |     |      | 1.1   | 2.2   | 1.1            |       |          |       |                                    |        |        |        |        | 4         | 4        | 2        |           |  |       |  |  |
| 44/ 43       |                                     |     |     |     |     |      | 1.1   |       | 2.2            |       |          |       |                                    |        |        |        |        | 3         | 3        | 2        |           |  |       |  |  |
| 42/ 41       |                                     |     |     |     | 1.1 | 2.2  |       |       |                |       |          |       |                                    |        |        |        |        | 3         | 3        | 12       |           |  |       |  |  |
| 4 / 39       |                                     |     |     | 2.2 | 1.1 |      |       |       |                |       |          |       |                                    |        |        |        |        | 3         | 3        | 12       |           |  |       |  |  |
| 38/ 37       |                                     |     |     | 1.1 |     |      |       |       |                |       |          |       |                                    |        |        |        |        | 1         | 1        | 17       |           |  |       |  |  |
| 36/ 35       |                                     |     |     |     |     |      |       | 1.1   |                |       |          |       |                                    |        |        |        |        | 1         | 1        | 18       |           |  |       |  |  |
| 34/ 33       |                                     |     |     |     |     |      |       |       |                |       |          |       |                                    |        |        |        |        |           |          | 16       |           |  |       |  |  |
| 32/ 31       |                                     |     |     |     |     |      |       |       |                |       |          |       |                                    |        |        |        |        |           |          | 8        | 2         |  |       |  |  |
| 30 / 29      |                                     |     |     |     |     |      |       |       |                |       |          |       |                                    |        |        |        |        |           |          | 4        | 8         |  |       |  |  |
| 28/ 27       |                                     |     |     |     |     |      |       |       |                |       |          |       |                                    |        |        |        |        |           |          |          | 7         |  |       |  |  |
| 26/ 25       |                                     |     |     |     |     |      |       |       |                |       |          |       |                                    |        |        |        |        |           |          |          | 3         |  |       |  |  |
| 24/ 23       |                                     |     |     |     |     |      |       |       |                |       |          |       |                                    |        |        |        |        |           |          | 1        | 3         |  |       |  |  |
| 22/ 21       |                                     |     |     |     |     |      |       |       |                |       |          |       |                                    |        |        |        |        |           |          |          | 6         |  |       |  |  |
| 20 / 19      |                                     |     |     |     |     |      |       |       |                |       |          |       |                                    |        |        |        |        |           |          |          | 1         |  |       |  |  |
| 18/ 17       |                                     |     |     |     |     |      |       |       |                |       |          |       |                                    |        |        |        |        |           |          |          | 5         |  |       |  |  |
| 16/ 15       |                                     |     |     |     |     |      |       |       |                |       |          |       |                                    |        |        |        |        |           |          |          | 5         |  |       |  |  |
| 14/ 13       |                                     |     |     |     |     |      |       |       |                |       |          |       |                                    |        |        |        |        |           |          |          | 5         |  |       |  |  |
| 12/ 11       |                                     |     |     |     |     |      |       |       |                |       |          |       |                                    |        |        |        |        |           |          |          | 4         |  |       |  |  |
| 10 / 9       |                                     |     |     |     |     |      |       |       |                |       |          |       |                                    |        |        |        |        |           |          |          | 6         |  |       |  |  |
| 8 / 7        |                                     |     |     |     |     |      |       |       |                |       |          |       |                                    |        |        |        |        |           |          |          | 8         |  |       |  |  |
| 6 / 6        |                                     |     |     |     |     |      |       |       |                |       |          |       |                                    |        |        |        |        |           |          |          | 2         |  |       |  |  |
| 4 / 3        |                                     |     |     |     |     |      |       |       |                |       |          |       |                                    |        |        |        |        |           |          |          | 4         |  |       |  |  |
| 2 / 1        |                                     |     |     |     |     |      |       |       |                |       |          |       |                                    |        |        |        |        |           |          |          | 3         |  |       |  |  |
| 0 / -1       |                                     |     |     |     |     |      |       |       |                |       |          |       |                                    |        |        |        |        |           |          |          | 4         |  |       |  |  |
| -2/ -3       |                                     |     |     |     |     |      |       |       |                |       |          |       |                                    |        |        |        |        |           |          |          | 5         |  |       |  |  |
| -4/ -5       |                                     |     |     |     |     |      |       |       |                |       |          |       |                                    |        |        |        |        |           |          |          | 1         |  |       |  |  |
| Element (X)  | Σ X <sup>2</sup>                    |     |     | Σ X |     |      | X̄    |       | σ <sub>x</sub> |       | No. Obs. |       | Mean No. of Hours with Temperature |        |        |        |        |           |          |          |           |  |       |  |  |
| Rel. Hum.    |                                     |     |     |     |     |      |       |       |                |       |          |       | ≤ 0 F                              | ≤ 32 F | ≥ 67 F | ≥ 73 F | ≥ 80 F | ≥ 93 F    | Total    |          |           |  |       |  |  |
| Dry Bulb     |                                     |     |     |     |     |      |       |       |                |       |          |       |                                    |        |        |        |        |           |          |          |           |  |       |  |  |
| Wet Bulb     |                                     |     |     |     |     |      |       |       |                |       |          |       |                                    |        |        |        |        |           |          |          |           |  |       |  |  |
| Dew Point    |                                     |     |     |     |     |      |       |       |                |       |          |       |                                    |        |        |        |        |           |          |          |           |  |       |  |  |

## PSYCHROMETRIC SUMMARY

**YEARS**

MAY  
MONTH

PAGE 2 1500-1700  
HOURS (L. S. T.)

| Temp.<br>(F) | WET BULB TEMPERATURE DEPRESSION (F) |     |     |     |     |      |       |       |       |       |       |       |       |       |       |       |      | TOTAL     |          | TOTAL    |           |  |
|--------------|-------------------------------------|-----|-----|-----|-----|------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|------|-----------|----------|----------|-----------|--|
|              | 0                                   | 1-2 | 3-4 | 5-6 | 7-8 | 9-10 | 11-12 | 13-14 | 15-16 | 17-18 | 19-20 | 21-22 | 23-24 | 25-26 | 27-28 | 29-30 | ≥ 31 | D.B./W.B. | Dry Bulb | Wet Bulb | Dew Point |  |
| -8/-9        |                                     |     |     |     |     |      |       |       |       |       |       |       |       |       |       |       |      |           |          |          | 1         |  |
| -10/-11      |                                     |     |     |     |     |      |       |       |       |       |       |       |       |       |       |       |      |           |          |          | 1         |  |
| -12/-13      |                                     |     |     |     |     |      |       |       |       |       |       |       |       |       |       |       |      |           |          |          | 2         |  |
| -14/-15      |                                     |     |     |     |     |      |       |       |       |       |       |       |       |       |       |       |      |           |          |          | 1         |  |
| -16/-17      |                                     |     |     |     |     |      |       |       |       |       |       |       |       |       |       |       |      |           |          |          | 1         |  |
| -18/-19      |                                     |     |     |     |     |      |       |       |       |       |       |       |       |       |       |       |      |           |          |          | 1         |  |
| -20/-21      |                                     |     |     |     |     |      |       |       |       |       |       |       |       |       |       |       |      |           |          |          | 2         |  |
| -22/-23      |                                     |     |     |     |     |      |       |       |       |       |       |       |       |       |       |       |      |           |          |          | 2         |  |
| -24/-25      |                                     |     |     |     |     |      |       |       |       |       |       |       |       |       |       |       |      |           |          |          | 2         |  |
| -26/-27      |                                     |     |     |     |     |      |       |       |       |       |       |       |       |       |       |       |      |           |          |          | 2         |  |
| -28/-29      |                                     |     |     |     |     |      |       |       |       |       |       |       |       |       |       |       |      |           |          |          | 2         |  |
| -30/-31      |                                     |     |     |     |     |      |       |       |       |       |       |       |       |       |       |       |      |           |          |          | 2         |  |
| -32/-33      |                                     |     |     |     |     |      |       |       |       |       |       |       |       |       |       |       |      |           |          |          | 2         |  |
| -34/-35      |                                     |     |     |     |     |      |       |       |       |       |       |       |       |       |       |       |      |           |          |          | 2         |  |
| -36/-37      |                                     |     |     |     |     |      |       |       |       |       |       |       |       |       |       |       |      |           |          |          | 2         |  |
| -38/-39      |                                     |     |     |     |     |      |       |       |       |       |       |       |       |       |       |       |      |           |          |          | 2         |  |
| -40/-41      |                                     |     |     |     |     |      |       |       |       |       |       |       |       |       |       |       |      |           |          |          | 2         |  |
| -42/-43      |                                     |     |     |     |     |      |       |       |       |       |       |       |       |       |       |       |      |           |          |          | 2         |  |
| -44/-45      |                                     |     |     |     |     |      |       |       |       |       |       |       |       |       |       |       |      |           |          |          | 2         |  |
| -46/-47      |                                     |     |     |     |     |      |       |       |       |       |       |       |       |       |       |       |      |           |          |          | 2         |  |
| TOTAL        |                                     |     |     |     | 3.3 | 2.2  | 7.6   | 10.9  | 12.0  | 12.0  | 19.6  | 25.0  | 7.6   |       |       |       |      |           | 92       | 92       | 92        |  |
|              |                                     |     |     |     |     |      |       |       |       |       |       |       |       |       |       |       |      |           |          |          |           |  |
|              |                                     |     |     |     |     |      |       |       |       |       |       |       |       |       |       |       |      |           |          |          |           |  |
|              |                                     |     |     |     |     |      |       |       |       |       |       |       |       |       |       |       |      |           |          |          |           |  |
|              |                                     |     |     |     |     |      |       |       |       |       |       |       |       |       |       |       |      |           |          |          |           |  |
|              |                                     |     |     |     |     |      |       |       |       |       |       |       |       |       |       |       |      |           |          |          |           |  |
|              |                                     |     |     |     |     |      |       |       |       |       |       |       |       |       |       |       |      |           |          |          |           |  |
|              |                                     |     |     |     |     |      |       |       |       |       |       |       |       |       |       |       |      |           |          |          |           |  |
|              |                                     |     |     |     |     |      |       |       |       |       |       |       |       |       |       |       |      |           |          |          |           |  |
|              |                                     |     |     |     |     |      |       |       |       |       |       |       |       |       |       |       |      |           |          |          |           |  |
|              |                                     |     |     |     |     |      |       |       |       |       |       |       |       |       |       |       |      |           |          |          |           |  |
|              |                                     |     |     |     |     |      |       |       |       |       |       |       |       |       |       |       |      |           |          |          |           |  |
|              |                                     |     |     |     |     |      |       |       |       |       |       |       |       |       |       |       |      |           |          |          |           |  |
|              |                                     |     |     |     |     |      |       |       |       |       |       |       |       |       |       |       |      |           |          |          |           |  |
|              |                                     |     |     |     |     |      |       |       |       |       |       |       |       |       |       |       |      |           |          |          |           |  |
|              |                                     |     |     |     |     |      |       |       |       |       |       |       |       |       |       |       |      |           |          |          |           |  |
|              |                                     |     |     |     |     |      |       |       |       |       |       |       |       |       |       |       |      |           |          |          |           |  |
|              |                                     |     |     |     |     |      |       |       |       |       |       |       |       |       |       |       |      |           |          |          |           |  |
|              |                                     |     |     |     |     |      |       |       |       |       |       |       |       |       |       |       |      |           |          |          |           |  |
|              |                                     |     |     |     |     |      |       |       |       |       |       |       |       |       |       |       |      |           |          |          |           |  |
|              |                                     |     |     |     |     |      |       |       |       |       |       |       |       |       |       |       |      |           |          |          |           |  |
|              |                                     |     |     |     |     |      |       |       |       |       |       |       |       |       |       |       |      |           |          |          |           |  |
|              |                                     |     |     |     |     |      |       |       |       |       |       |       |       |       |       |       |      |           |          |          |           |  |
|              |                                     |     |     |     |     |      |       |       |       |       |       |       |       |       |       |       |      |           |          |          |           |  |
|              |                                     |     |     |     |     |      |       |       |       |       |       |       |       |       |       |       |      |           |          |          |           |  |
|              |                                     |     |     |     |     |      |       |       |       |       |       |       |       |       |       |       |      |           |          |          |           |  |
|              |                                     |     |     |     |     |      |       |       |       |       |       |       |       |       |       |       |      |           |          |          |           |  |
|              |                                     |     |     |     |     |      |       |       |       |       |       |       |       |       |       |       |      |           |          |          |           |  |
|              |                                     |     |     |     |     |      |       |       |       |       |       |       |       |       |       |       |      |           |          |          |           |  |
|              |                                     |     |     |     |     |      |       |       |       |       |       |       |       |       |       |       |      |           |          |          |           |  |
|              |                                     |     |     |     |     |      |       |       |       |       |       |       |       |       |       |       |      |           |          |          |           |  |
|              |                                     |     |     |     |     |      |       |       |       |       |       |       |       |       |       |       |      |           |          |          |           |  |
|              |                                     |     |     |     |     |      |       |       |       |       |       |       |       |       |       |       |      |           |          |          |           |  |
|              |                                     |     |     |     |     |      |       |       |       |       |       |       |       |       |       |       |      |           |          |          |           |  |
|              |                                     |     |     |     |     |      |       |       |       |       |       |       |       |       |       |       |      |           |          |          |           |  |
|              |                                     |     |     |     |     |      |       |       |       |       |       |       |       |       |       |       |      |           |          |          |           |  |
|              |                                     |     |     | </  |     |      |       |       |       |       |       |       |       |       |       |       |      |           |          |          |           |  |

**JSAFETAC**  
FORM  
N N 44  
0-26-5 (OLA)  
REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

## PSYCHROMETRIC SUMMARY

MAY  
MONTH

PAGE 1 1800-2000  
HOURS (L. S. T.)

| Temp.<br>(F) | WET BULB TEMPERATURE DEPRESSION (F) |     |     |     |     |      |                |       |          |       |                                    |       |        |       |        |       |        |          |          |           | TOTAL<br>D.B./W.B. | TOTAL |       |  |
|--------------|-------------------------------------|-----|-----|-----|-----|------|----------------|-------|----------|-------|------------------------------------|-------|--------|-------|--------|-------|--------|----------|----------|-----------|--------------------|-------|-------|--|
|              | 0                                   | 1-2 | 3-4 | 5-6 | 7-8 | 9-10 | 11-12          | 13-14 | 15-16    | 17-18 | 19-20                              | 21-22 | 23-24  | 25-26 | 27-28  | 29-30 | ≥ 31   | Dry Bulb | Wet Bulb | Dew Point |                    |       |       |  |
| 52 / 57      |                                     |     |     |     |     |      |                |       |          |       | 1.1                                | 1.1   |        |       |        |       |        | 2        | 2        |           |                    |       |       |  |
| 50 / 55      |                                     |     |     |     |     |      |                | 1.1   | 2.2      |       | 4.3                                |       | 4.3    |       |        |       |        | 7        | 7        |           |                    |       |       |  |
| 44 / 53      |                                     |     |     |     |     |      |                | 1.1   |          | 4.3   | 4.3                                | 6.5   |        |       |        |       |        | 15       | 15       |           |                    |       |       |  |
| 42 / 51      |                                     |     |     |     |     |      | 1.1            | 1.1   | 1.1      |       | 10.8                               | 5.4   |        |       |        |       |        | 18       | 18       |           |                    |       |       |  |
| 5 / 49       |                                     |     |     |     |     |      |                | 1.1   |          | 3.2   | 3.2                                | 3.2   |        |       |        |       |        | 10       | 10       |           |                    |       |       |  |
| 48 / 47      |                                     |     |     |     |     |      |                | 2.2   | 3.2      | 5.4   | 6.5                                |       |        |       |        |       |        | 16       | 16       |           |                    |       |       |  |
| 46 / 45      |                                     |     |     |     |     |      |                | 1.1   |          | 3.2   | 3.2                                |       |        |       |        |       |        | 7        | 7        |           |                    |       |       |  |
| 44 / 43      |                                     |     |     |     | 1.1 |      |                |       | 2.2      | 3.2   |                                    |       |        |       |        |       |        | 6        | 6        | 2         |                    |       |       |  |
| 42 / 41      |                                     |     |     |     |     | 1.1  |                |       | 1.1      | 1.1   |                                    |       |        |       |        |       |        | 3        | 3        | 2         |                    |       |       |  |
| 4 / 39       |                                     |     |     | 1.1 |     |      | 2.2            |       |          |       |                                    |       |        |       |        |       |        | 3        | 3        | 4         |                    |       |       |  |
| 38 / 37      |                                     |     |     | 1.1 | 2.2 |      |                |       |          |       |                                    |       |        |       |        |       |        | 3        | 3        | 6         |                    |       |       |  |
| 36 / 35      |                                     |     | 2.2 |     |     |      |                |       |          |       |                                    |       |        |       |        |       |        | 2        | 2        | 17        |                    |       |       |  |
| 34 / 33      |                                     | 1.1 |     |     |     |      |                |       |          |       |                                    |       |        |       |        |       |        | 1        | 1        | 22        |                    |       |       |  |
| 32 / 31      |                                     |     |     |     |     |      |                |       |          |       |                                    |       |        |       |        |       |        |          |          | 20        |                    |       |       |  |
| 3 / 29       |                                     |     |     |     |     |      |                |       |          |       |                                    |       |        |       |        |       |        |          |          | 3         |                    |       |       |  |
| 28 / 27      |                                     |     |     |     |     |      |                |       |          |       |                                    |       |        |       |        |       |        |          |          | 17        |                    |       |       |  |
| 26 / 25      |                                     |     |     |     |     |      |                |       |          |       |                                    |       |        |       |        |       |        |          |          | 3         |                    |       |       |  |
| 24 / 23      |                                     |     |     |     |     |      |                |       |          |       |                                    |       |        |       |        |       |        |          |          |           |                    |       |       |  |
| 22 / 21      |                                     |     |     |     |     |      |                |       |          |       |                                    |       |        |       |        |       |        |          |          |           |                    |       |       |  |
| 20 / 19      |                                     |     |     |     |     |      |                |       |          |       |                                    |       |        |       |        |       |        |          |          |           |                    |       |       |  |
| 18 / 17      |                                     |     |     |     |     |      |                |       |          |       |                                    |       |        |       |        |       |        |          |          |           |                    |       |       |  |
| 16 / 15      |                                     |     |     |     |     |      |                |       |          |       |                                    |       |        |       |        |       |        |          |          |           |                    |       |       |  |
| 14 / 13      |                                     |     |     |     |     |      |                |       |          |       |                                    |       |        |       |        |       |        |          |          |           |                    |       |       |  |
| 12 / 11      |                                     |     |     |     |     |      |                |       |          |       |                                    |       |        |       |        |       |        |          |          |           |                    |       |       |  |
| 10 / 9       |                                     |     |     |     |     |      |                |       |          |       |                                    |       |        |       |        |       |        |          |          |           |                    |       |       |  |
| 8 / 7        |                                     |     |     |     |     |      |                |       |          |       |                                    |       |        |       |        |       |        |          |          |           |                    |       |       |  |
| 6 / 5        |                                     |     |     |     |     |      |                |       |          |       |                                    |       |        |       |        |       |        |          |          |           |                    |       |       |  |
| 4 / 3        |                                     |     |     |     |     |      |                |       |          |       |                                    |       |        |       |        |       |        |          |          |           |                    |       |       |  |
| 2 / -        |                                     |     |     |     |     |      |                |       |          |       |                                    |       |        |       |        |       |        |          |          |           |                    |       |       |  |
| 0 / -1       |                                     |     |     |     |     |      |                |       |          |       |                                    |       |        |       |        |       |        |          |          |           |                    |       |       |  |
| -2 / -3      |                                     |     |     |     |     |      |                |       |          |       |                                    |       |        |       |        |       |        |          |          |           |                    |       |       |  |
| -4 / -5      |                                     |     |     |     |     |      |                |       |          |       |                                    |       |        |       |        |       |        |          |          |           |                    |       |       |  |
| -6 / -7      |                                     |     |     |     |     |      |                |       |          |       |                                    |       |        |       |        |       |        |          |          |           |                    |       |       |  |
| -8 / -11     |                                     |     |     |     |     |      |                |       |          |       |                                    |       |        |       |        |       |        |          |          |           |                    |       |       |  |
| Element (X)  | Σ x <sup>1</sup>                    |     | Σ x |     | x̄  |      | σ <sub>x</sub> |       | No. Obs. |       | Mean No. of Hours with Temperature |       |        |       |        |       |        |          |          |           |                    |       |       |  |
| Rel. Hum.    |                                     |     |     |     |     |      |                |       |          |       | ≤ 0 F                              |       | ≤ 32 F |       | ≥ 67 F |       | ≥ 73 F |          | ≥ 80 F   |           | ≥ 93 F             |       | Total |  |
| Dry Bulb     |                                     |     |     |     |     |      |                |       |          |       |                                    |       |        |       |        |       |        |          |          |           |                    |       |       |  |
| Wet Bulb     |                                     |     |     |     |     |      |                |       |          |       |                                    |       |        |       |        |       |        |          |          |           |                    |       |       |  |
| Dew Point    |                                     |     |     |     |     |      |                |       |          |       |                                    |       |        |       |        |       |        |          |          |           |                    |       |       |  |

USAFETAC  
FORM  
NU 44  
0-26-5 (OL 2)  
REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

## PSYCHROMETRIC SUMMARY

MAY  
MONTH

PAGE 2 1800-2000  
HOURS (L. S. T.)

[illegible]

0-26-5 (OLA) REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

**USAFETAC**



## PSYCHROMETRIC SUMMARY

7001  
STATION

MAUI OPTICAL SITE HI NORTH TOWER  
STATION NAME

79

**YEARS**

    MAY      
MONTH

PAGE 1 2100-2300  
HOURS (L. S. T.)

| Temp.<br>(F) | WET BULB TEMPERATURE DEPRESSION (F) |     |     |            |     |      |           |       |       |       |       |       |          |       |       |                                    |             | TOTAL          | TOTAL          |                |                |       |
|--------------|-------------------------------------|-----|-----|------------|-----|------|-----------|-------|-------|-------|-------|-------|----------|-------|-------|------------------------------------|-------------|----------------|----------------|----------------|----------------|-------|
|              | 0                                   | 1-2 | 3-4 | 5-6        | 7-8 | 9-10 | 11-12     | 13-14 | 15-16 | 17-18 | 19-20 | 21-22 | 23-24    | 25-26 | 27-28 | 29-30                              | = 31        | D.B./W.B.      | Dry Bulb       | Wet Bulb       | Dew Point      |       |
| 72/ 71       |                                     |     |     |            |     |      |           |       |       |       |       |       |          |       |       | 1.1                                |             | 1              | 1              |                |                |       |
| 56/ 55       |                                     |     |     |            |     |      |           |       |       | 1.1   | 3.2   |       |          |       |       |                                    |             | 4              | 4              |                |                |       |
| 54/ 53       |                                     |     |     |            |     |      | 2.2       | 1.1   |       | 1.1   | 5.4   |       |          |       |       |                                    |             | 9              | 9              |                |                |       |
| 52/ 51       |                                     |     |     |            |     |      |           | 3.2   |       | 6.5   | 3.2   |       |          |       |       |                                    |             | 12             | 12             |                |                |       |
| 5 / 40       |                                     |     |     |            |     |      | 1.1       | 2.2   |       | 6.5   | 3.2   |       |          |       |       |                                    |             | 12             | 12             |                |                |       |
| 48/ 47       |                                     |     |     |            |     |      |           | 1.1   | 6.5   | 12.9  |       |       |          |       |       |                                    |             | 19             | 19             |                |                |       |
| 48/ 45       |                                     |     |     |            | 1.1 | 1.1  | 1.1       | 1.1   | 11.8  | 4.3   |       |       |          |       |       |                                    |             | 19             | 19             |                |                |       |
| 44/ 43       |                                     |     |     |            |     | 1.1  |           | 3.2   | 3.2   |       |       |       |          |       |       |                                    |             | 7              | 7              |                | 1              |       |
| 42/ 41       |                                     |     |     |            |     |      | 1.1       |       |       |       |       |       |          |       |       |                                    |             | 1              | 1              |                | 2              |       |
| 4 / 30       |                                     |     |     | 1.1        |     |      | 3.2       |       |       |       |       |       |          |       |       |                                    |             | 4              | 4              |                | 1              |       |
| 38/ 37       |                                     |     |     |            |     |      |           | 1.1   |       |       |       |       |          |       |       |                                    |             | 1              | 1              |                | 7              |       |
| 38/ 35       |                                     |     | 1.1 |            | 1.1 | 2.2  |           |       |       |       |       |       |          |       |       |                                    |             | 4              | 4              |                | 13             |       |
| 34/ 33       |                                     |     |     |            |     |      |           |       |       |       |       |       |          |       |       |                                    |             |                |                |                | 16             |       |
| 32/ 31       |                                     |     |     |            |     |      |           |       |       |       |       |       |          |       |       |                                    |             |                |                |                | 17             |       |
| 3 / 29       |                                     |     |     |            |     |      |           |       |       |       |       |       |          |       |       |                                    |             |                |                |                | 35             |       |
| 26/ 27       |                                     |     |     |            |     |      |           |       |       |       |       |       |          |       |       |                                    |             |                |                |                | 1              |       |
| 20/ 25       |                                     |     |     |            |     |      |           |       |       |       |       |       |          |       |       |                                    |             |                |                |                | 2              |       |
| 24/ 23       |                                     |     |     |            |     |      |           |       |       |       |       |       |          |       |       |                                    |             |                |                |                | 1              |       |
| 22/ 21       |                                     |     |     |            |     |      |           |       |       |       |       |       |          |       |       |                                    |             |                |                |                | 1              |       |
| 2 / 19       |                                     |     |     |            |     |      |           |       |       |       |       |       |          |       |       |                                    |             |                |                |                | 5              |       |
| 18/ 17       |                                     |     |     |            |     |      |           |       |       |       |       |       |          |       |       |                                    |             |                |                |                | 2              |       |
| 16/ 15       |                                     |     |     |            |     |      |           |       |       |       |       |       |          |       |       |                                    |             |                |                |                | 3              |       |
| 14/ 13       |                                     |     |     |            |     |      |           |       |       |       |       |       |          |       |       |                                    |             |                |                |                | 3              |       |
| 12/ 11       |                                     |     |     |            |     |      |           |       |       |       |       |       |          |       |       |                                    |             |                |                |                | 2              |       |
| 1 / 9        |                                     |     |     |            |     |      |           |       |       |       |       |       |          |       |       |                                    |             |                |                |                | 3              |       |
| 0/ 7         |                                     |     |     |            |     |      |           |       |       |       |       |       |          |       |       |                                    |             |                |                |                | 5              |       |
| 6/ 5         |                                     |     |     |            |     |      |           |       |       |       |       |       |          |       |       |                                    |             |                |                |                | 4              |       |
| 4/ 3         |                                     |     |     |            |     |      |           |       |       |       |       |       |          |       |       |                                    |             |                |                |                | 4              |       |
| 2/ 1         |                                     |     |     |            |     |      |           |       |       |       |       |       |          |       |       |                                    |             |                |                |                | 8              |       |
| / -1         |                                     |     |     |            |     |      |           |       |       |       |       |       |          |       |       |                                    |             |                |                |                | 6              |       |
| -2/ -3       |                                     |     |     |            |     |      |           |       |       |       |       |       |          |       |       |                                    |             |                |                |                | 6              |       |
| -4/ -5       |                                     |     |     |            |     |      |           |       |       |       |       |       |          |       |       |                                    |             |                |                |                | 10             |       |
| -6/ -7       |                                     |     |     |            |     |      |           |       |       |       |       |       |          |       |       |                                    |             |                |                |                | 4              |       |
| -8/ -9       |                                     |     |     |            |     |      |           |       |       |       |       |       |          |       |       |                                    |             |                |                |                | 2              |       |
| Element (X)  | $\Sigma X^2$                        |     |     | $\Sigma X$ |     |      | $\bar{X}$ |       |       | $s_x$ |       |       | No. Obs. |       |       | Mean No. of Hours with Temperature |             |                |                |                |                |       |
| Rel. Hum.    |                                     |     |     |            |     |      |           |       |       |       |       |       |          |       |       | $\leq 0$ F                         | $\leq 32$ F | $\approx 67$ F | $\approx 73$ F | $\approx 80$ F | $\approx 93$ F | Total |
| Dry Bulb     |                                     |     |     |            |     |      |           |       |       |       |       |       |          |       |       |                                    |             |                |                |                |                |       |
| Wet Bulb     |                                     |     |     |            |     |      |           |       |       |       |       |       |          |       |       |                                    |             |                |                |                |                |       |
| Dew Point    |                                     |     |     |            |     |      |           |       |       |       |       |       |          |       |       |                                    |             |                |                |                |                |       |

## PSYCHROMETRIC SUMMARY

**YEARS**

MAY  
MONTH

PAGE 2 2100-2300  
HOURS (L. S. T.)

[illegible]

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

# PSYCHROMETRIC SUMMARY

0001 MAUI OPTICAL SITE HI NORTH TOWER 79

STATION

STATION NAME

YEARS

MAY  
MONTH

PAGE 1

ALL  
HOURS (L. S. T.)

| Temp.<br>(F) | WET BULB TEMPERATURE DEPRESSION (F) |     |     |     |     |      |       |       |       |       |          |       |                                    |        |        |        |        |           |          |          |           | TOTAL | TOTAL |  |  |
|--------------|-------------------------------------|-----|-----|-----|-----|------|-------|-------|-------|-------|----------|-------|------------------------------------|--------|--------|--------|--------|-----------|----------|----------|-----------|-------|-------|--|--|
|              | 0                                   | 1-2 | 3-4 | 5-6 | 7-8 | 9-10 | 11-12 | 13-14 | 15-16 | 17-18 | 19-20    | 21-22 | 23-24                              | 25-26  | 27-28  | 29-30  | ≥ 31   | D.B./W.B. | Dry Bulb | Wet Bulb | Dew Point |       |       |  |  |
| 72/ 74       |                                     |     |     |     |     |      |       |       |       |       |          |       |                                    |        |        |        | .1     |           | 1        | 1        |           |       |       |  |  |
| 64/ 63       |                                     |     |     |     |     |      |       |       |       |       |          | .1    |                                    |        |        |        |        |           | 1        | 1        |           |       |       |  |  |
| 62/ 61       |                                     |     |     |     |     |      |       |       | .3    |       | .1       |       |                                    |        |        |        |        |           | 5        | 5        |           |       |       |  |  |
| 61/ 59       |                                     |     |     |     |     |      |       | .3    | .4    | .5    | .5       | .1    | .1                                 |        | .1     |        |        |           | 16       | 16       |           |       |       |  |  |
| 58/ 57       |                                     |     |     |     |     |      |       | .4    | 1.1   | 1.3   | 1.3      | 1.5   |                                    |        |        |        |        |           | 42       | 42       |           |       |       |  |  |
| 56/ 55       |                                     |     |     |     |     |      | .1    | .7    | .9    | 2.0   | 3.4      | 1.5   |                                    |        |        |        |        |           | 64       | 64       |           |       |       |  |  |
| 54/ 53       |                                     |     |     |     |     |      |       | 1.3   | .7    | 2.0   | 2.8      | 4.9   | .5                                 |        |        |        |        |           | 91       | 91       |           |       |       |  |  |
| 52/ 51       |                                     |     |     |     |     |      | .4    | 1.6   | 2.0   | 1.6   | 6.5      | 3.5   |                                    |        |        |        |        |           | 116      | 116      |           |       |       |  |  |
| 51/ 49       |                                     |     |     |     |     |      | .8    | 2.0   | 1.3   | 2.2   | 4.2      | 2.3   |                                    |        |        |        |        |           | 95       | 95       |           |       |       |  |  |
| 48/ 47       |                                     |     |     |     | .3  |      | .3    | 1.6   | 1.6   | 4.0   | 5.7      |       |                                    |        |        |        |        |           | 100      | 100      |           |       |       |  |  |
| 46/ 45       |                                     |     |     |     | .3  | .5   | 1.9   | 2.0   | 5.3   | 2.4   |          |       |                                    |        |        |        |        |           | 92       | 92       | 7         |       |       |  |  |
| 44/ 43       |                                     |     |     | .1  | .5  | .9   | 1.1   | 2.0   | 2.6   | .1    |          |       |                                    |        |        |        |        |           | 59       | 59       | 9         |       |       |  |  |
| 42/ 41       |                                     |     |     | .1  | .4  | .8   | .3    | .5    | .1    |       |          |       |                                    |        |        |        |        |           | 17       | 17       | 36        |       |       |  |  |
| 41/ 39       |                                     | .1  | .1  | .9  | .3  | .9   | .4    | .4    |       |       |          |       |                                    |        |        |        |        |           | 24       | 24       | 64        |       |       |  |  |
| 38/ 37       |                                     |     |     | .4  | .4  | .1   | .1    | .1    |       |       |          |       |                                    |        |        |        |        |           | 9        | 9        | 75        |       |       |  |  |
| 36/ 35       |                                     |     | .5  |     | .1  | .3   | .1    | .1    |       |       |          |       |                                    |        |        |        |        |           | 8        | 8        | 123       | 1     |       |  |  |
| 34/ 33       |                                     | .1  |     |     |     |      | .1    |       |       |       |          |       |                                    |        |        |        |        |           | 2        | 2        | 155       |       |       |  |  |
| 32/ 31       |                                     |     |     |     |     |      |       |       |       |       |          |       |                                    |        |        |        |        |           |          |          | 125       | 7     |       |  |  |
| 31/ 29       |                                     |     |     |     |     |      |       |       |       |       |          |       |                                    |        |        |        |        |           |          |          | 121       | 25    |       |  |  |
| 29/ 27       |                                     |     |     |     |     |      |       |       |       |       |          |       |                                    |        |        |        |        |           |          |          | 19        | 31    |       |  |  |
| 27/ 25       |                                     |     |     |     |     |      |       |       |       |       |          |       |                                    |        |        |        |        |           |          |          | 5         | 21    |       |  |  |
| 25/ 23       |                                     |     |     |     |     |      |       |       |       |       |          |       |                                    |        |        |        |        |           |          |          | 3         | 19    |       |  |  |
| 23/ 21       |                                     |     |     |     |     |      |       |       |       |       |          |       |                                    |        |        |        |        |           |          |          |           | 31    |       |  |  |
| 21/ 19       |                                     |     |     |     |     |      |       |       |       |       |          |       |                                    |        |        |        |        |           |          |          |           | 26    |       |  |  |
| 19/ 17       |                                     |     |     |     |     |      |       |       |       |       |          |       |                                    |        |        |        |        |           |          |          |           | 40    |       |  |  |
| 17/ 15       |                                     |     |     |     |     |      |       |       |       |       |          |       |                                    |        |        |        |        |           |          |          |           | 37    |       |  |  |
| 15/ 13       |                                     |     |     |     |     |      |       |       |       |       |          |       |                                    |        |        |        |        |           |          |          |           | 35    |       |  |  |
| 13/ 11       |                                     |     |     |     |     |      |       |       |       |       |          |       |                                    |        |        |        |        |           |          |          |           | 22    |       |  |  |
| 11/ 9        |                                     |     |     |     |     |      |       |       |       |       |          |       |                                    |        |        |        |        |           |          |          |           | 36    |       |  |  |
| 9/ 7         |                                     |     |     |     |     |      |       |       |       |       |          |       |                                    |        |        |        |        |           |          |          |           | 42    |       |  |  |
| 7/ 5         |                                     |     |     |     |     |      |       |       |       |       |          |       |                                    |        |        |        |        |           |          |          |           | 37    |       |  |  |
| 5/ 3         |                                     |     |     |     |     |      |       |       |       |       |          |       |                                    |        |        |        |        |           |          |          |           | 32    |       |  |  |
| 3/ 1         |                                     |     |     |     |     |      |       |       |       |       |          |       |                                    |        |        |        |        |           |          |          |           | 45    |       |  |  |
| 1/ -1        |                                     |     |     |     |     |      |       |       |       |       |          |       |                                    |        |        |        |        |           |          |          |           | 40    |       |  |  |
| Element (X)  | Σ X²                                |     | Σ X |     | Σ   |      | Σ     |       | Σ     |       | No. Obs. |       | Mean No. of Hours with Temperature |        |        |        |        |           |          |          |           |       |       |  |  |
| Rel. Hum.    |                                     |     |     |     |     |      |       |       |       |       |          |       | ≤ 0 F                              | ≤ 32 F | ≥ 67 F | ≥ 73 F | ≥ 80 F | ≥ 93 F    |          |          | Total     |       |       |  |  |
| Dry Bulb     |                                     |     |     |     |     |      |       |       |       |       |          |       |                                    |        |        |        |        |           |          |          |           |       |       |  |  |
| Wet Bulb     |                                     |     |     |     |     |      |       |       |       |       |          |       |                                    |        |        |        |        |           |          |          |           |       |       |  |  |
| Dew Point    |                                     |     |     |     |     |      |       |       |       |       |          |       |                                    |        |        |        |        |           |          |          |           |       |       |  |  |

FORM 0-26-5 (OL A) JUL 64

USAFETAC

REVISOR PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE



## PSYCHROMETRIC SUMMARY

**YEARS**

MAY  
MONTH

PAGE 2

ALL  
HOURS (L. S. T.)

[illegible]



## PSYCHROMETRIC SUMMARY

**JUN**  
**MONTH**

PAGE 2 0000-0200  
HOURS (L. S. T.)

[illegible]

FORM 0-26-5 (OLA)  
REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

**USAFETAC**

## PSYCHROMETRIC SUMMARY

YEARS

JUN  
MONTH

0300-0500  
HOURS (L. S. T.)

[illegible]

USAFETAC  
FORM 0-26-5 (OLA)  
REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

## PSYCHROMETRIC SUMMARY

**YEARS**

JUN  
MONTH

PAGE 2 0300-0500  
HOURS (L. S. T.)

[illegible]

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

# PSYCHROMETRIC SUMMARY

0001 NAUI OPTICAL SITE HI NORTH TOWER 79  
STATION STATION NAME YEARS

JUN  
MONTH

PAGE 1 0600-0800  
HOURS (L. S. T.)

| Temp.<br>(F) | WET BULB TEMPERATURE DEPRESSION (F) |     |     |     |     |      |                |       |          |       |                                    |        |        |        |        |        | TOTAL | TOTAL     |          |          |           |
|--------------|-------------------------------------|-----|-----|-----|-----|------|----------------|-------|----------|-------|------------------------------------|--------|--------|--------|--------|--------|-------|-----------|----------|----------|-----------|
|              | 0                                   | 1-2 | 3-4 | 5-6 | 7-8 | 9-10 | 11-12          | 13-14 | 15-16    | 17-18 | 19-20                              | 21-22  | 23-24  | 25-26  | 27-28  | 29-30  | ≥ 31  | D.B./W.B. | Dry Bulb | Wet Bulb | Dew Point |
| 58/ 57       |                                     |     |     |     |     |      |                |       |          |       |                                    | 1.1    | 1.1    |        |        |        |       | 2         | 2        |          |           |
| 56/ 55       |                                     |     |     |     |     |      |                |       |          |       |                                    | 6.7    |        |        |        |        |       | 6         | 6        |          |           |
| 54/ 53       |                                     |     |     |     |     |      |                | 1.1   | 1.1      |       | 2.2                                | 4.4    |        |        |        |        |       | 8         | 8        |          |           |
| 52/ 51       |                                     |     |     |     |     |      |                | 3.3   | 1.1      | 1.1   | 1.1                                |        |        |        |        |        |       | 15        | 15       |          |           |
| 50/ 49       |                                     |     |     |     |     |      | 2.2            | 1.1   | 4.4      | 4.4   | 6.7                                |        |        |        |        |        |       | 17        | 17       |          |           |
| 48/ 47       |                                     |     |     |     |     | 1.1  |                | 1.1   | 1.1      | 16.7  |                                    |        |        |        |        |        |       | 18        | 18       |          |           |
| 46/ 45       |                                     |     |     |     |     | 2.2  | 2.2            | 2.2   |          | 7.8   |                                    |        |        |        |        |        |       | 13        | 13       |          |           |
| 44/ 43       |                                     |     |     | 2.2 | 1.1 |      |                |       | 1.1      | 1.1   |                                    |        |        |        |        |        |       | 5         | 5        |          |           |
| 42/ 41       |                                     |     |     |     |     |      |                | 1.1   | 1.1      |       |                                    |        |        |        |        |        |       | 2         | 2        |          |           |
| 40/ 39       |                                     |     |     |     |     |      |                |       |          |       |                                    |        |        |        |        |        |       |           |          | 2        |           |
| 36/ 37       |                                     |     | 3.3 |     |     |      |                |       |          |       |                                    |        |        |        |        |        |       | 3         | 3        | 8        |           |
| 36/ 35       |                                     |     | 1.1 |     |     |      |                |       |          |       |                                    |        |        |        |        |        |       | 1         | 1        | 7        |           |
| 34/ 33       |                                     |     |     |     |     |      |                |       |          |       |                                    |        |        |        |        |        |       |           |          | 23       |           |
| 32/ 31       |                                     |     |     |     |     |      |                |       |          |       |                                    |        |        |        |        |        |       |           |          | 23       | 2         |
| 30/ 29       |                                     |     |     |     |     |      |                |       |          |       |                                    |        |        |        |        |        |       |           |          | 21       | 3         |
| 28/ 27       |                                     |     |     |     |     |      |                |       |          |       |                                    |        |        |        |        |        |       |           |          | 6        | 1         |
| 26/ 25       |                                     |     |     |     |     |      |                |       |          |       |                                    |        |        |        |        |        |       |           |          |          | 4         |
| 24/ 23       |                                     |     |     |     |     |      |                |       |          |       |                                    |        |        |        |        |        |       |           |          |          | 1         |
| 22/ 21       |                                     |     |     |     |     |      |                |       |          |       |                                    |        |        |        |        |        |       |           |          |          | 2         |
| 20/ 19       |                                     |     |     |     |     |      |                |       |          |       |                                    |        |        |        |        |        |       |           |          |          | 2         |
| 18/ 17       |                                     |     |     |     |     |      |                |       |          |       |                                    |        |        |        |        |        |       |           |          |          | 3         |
| 16/ 15       |                                     |     |     |     |     |      |                |       |          |       |                                    |        |        |        |        |        |       |           |          |          | 1         |
| 14/ 13       |                                     |     |     |     |     |      |                |       |          |       |                                    |        |        |        |        |        |       |           |          |          | 3         |
| 12/ 11       |                                     |     |     |     |     |      |                |       |          |       |                                    |        |        |        |        |        |       |           |          |          | 2         |
| 10/ 9        |                                     |     |     |     |     |      |                |       |          |       |                                    |        |        |        |        |        |       |           |          |          | 1         |
| 8/ 7         |                                     |     |     |     |     |      |                |       |          |       |                                    |        |        |        |        |        |       |           |          |          | 2         |
| 6/ 5         |                                     |     |     |     |     |      |                |       |          |       |                                    |        |        |        |        |        |       |           |          |          | 2         |
| 4/ -3        |                                     |     |     |     |     |      |                |       |          |       |                                    |        |        |        |        |        |       |           |          |          | 3         |
| -2/ -5       |                                     |     |     |     |     |      |                |       |          |       |                                    |        |        |        |        |        |       |           |          |          | 2         |
| -4/ -7       |                                     |     |     |     |     |      |                |       |          |       |                                    |        |        |        |        |        |       |           |          |          | 5         |
| -6/ -9       |                                     |     |     |     |     |      |                |       |          |       |                                    |        |        |        |        |        |       |           |          |          | 2         |
| -8/ -11      |                                     |     |     |     |     |      |                |       |          |       |                                    |        |        |        |        |        |       |           |          |          | 2         |
| -10/ -13     |                                     |     |     |     |     |      |                |       |          |       |                                    |        |        |        |        |        |       |           |          |          | 1         |
| -12/ -15     |                                     |     |     |     |     |      |                |       |          |       |                                    |        |        |        |        |        |       |           |          |          | 4         |
| Element (X)  | ΣX <sup>2</sup>                     |     | ΣX  |     | Σ   |      | Σ <sub>n</sub> |       | No. Obs. |       | Mean No. of Hours with Temperature |        |        |        |        |        |       | Total     |          |          |           |
| Rel. Hum.    |                                     |     |     |     |     |      |                |       |          |       | ≤ 0 F                              | ≤ 32 F | ≥ 67 F | ≥ 73 F | ≥ 80 F | ≥ 93 F |       |           |          |          |           |
| Dry Bulb     |                                     |     |     |     |     |      |                |       |          |       |                                    |        |        |        |        |        |       |           |          |          |           |
| Wet Bulb     |                                     |     |     |     |     |      |                |       |          |       |                                    |        |        |        |        |        |       |           |          |          |           |
| Dew Point    |                                     |     |     |     |     |      |                |       |          |       |                                    |        |        |        |        |        |       |           |          |          |           |

## PSYCHROMETRIC SUMMARY

**YEARS**

JUN  
MONTH

PAGE 2 0600-0800  
HOURS (L. S. T.)

[illegible]

**USAFETAC FORM 0-26-5 (QLA)**  
REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

## PSYCHROMETRIC SUMMARY

**YEARS**

JUN  
MONTH

PAGE 1 0900-1100  
HOURS (L. S. T.)

| Temp.<br>(F) | WET BULB TEMPERATURE DEPRESSION (F) |     |     |            |     |      |           |            |          |       |                                    |       |       |       |       |       |      |           |          |          | TOTAL     | TOTAL |  |  |
|--------------|-------------------------------------|-----|-----|------------|-----|------|-----------|------------|----------|-------|------------------------------------|-------|-------|-------|-------|-------|------|-----------|----------|----------|-----------|-------|--|--|
|              | 0                                   | 1-2 | 3-4 | 5-6        | 7-8 | 9-10 | 11-12     | 13-14      | 15-16    | 17-18 | 19-20                              | 21-22 | 23-24 | 25-26 | 27-28 | 29-30 | ≥ 31 | D.B./W.B. | Dry Bulb | Wet Bulb | Dew Point |       |  |  |
| 62 / 61      |                                     |     |     |            |     |      |           |            |          |       |                                    | 1.1   | 1.1   |       |       |       |      | 2         | 2        |          |           |       |  |  |
| 61 / 59      |                                     |     |     |            |     |      |           |            |          |       | 1.1                                | 1.1   | 2.2   |       |       |       |      | 4         | 4        |          |           |       |  |  |
| 58 / 57      |                                     |     |     |            |     |      |           |            | 1.1      |       | 2.2                                | 3.3   | 7.8   |       |       |       |      | 13        | 13       |          |           |       |  |  |
| 56 / 55      |                                     |     |     |            |     |      |           | 2.2        | 1.1      | 2.2   | 3.3                                | 15.6  |       |       |       |       |      | 22        | 22       |          |           |       |  |  |
| 54 / 53      |                                     |     |     |            |     |      |           | 2.2        |          | 4.4   | 5.6                                | 8.9   |       |       |       |       |      | 19        | 19       |          |           |       |  |  |
| 52 / 51      |                                     |     |     |            |     |      |           |            | 1.1      | 4.4   | 5.6                                |       |       |       |       |       |      | 10        | 10       |          |           |       |  |  |
| 51 / 49      |                                     |     |     |            |     | 2.2  | 3.3       | 1.1        |          | 1.1   |                                    |       |       |       |       |       |      | 7         | 7        |          |           |       |  |  |
| 48 / 47      |                                     |     |     |            | 1.1 | 1.1  |           | 1.1        |          | 1.1   |                                    |       |       |       |       |       |      | 4         | 4        |          |           |       |  |  |
| 46 / 45      |                                     |     |     |            |     | 1.1  |           |            |          | 1.1   |                                    |       |       |       |       |       |      | 2         | 2        |          |           |       |  |  |
| 44 / 43      |                                     |     |     | 1.1        | 1.1 | 2.2  |           |            |          |       |                                    |       |       |       |       |       |      | 4         | 4        |          |           |       |  |  |
| 42 / 41      |                                     |     |     |            |     |      |           |            |          |       |                                    |       |       |       |       |       |      |           |          | 6        |           |       |  |  |
| 41 / 39      |                                     |     | 2.2 |            | 1.1 |      |           |            |          |       |                                    |       |       |       |       |       |      | 3         | 3        | 8        |           |       |  |  |
| 38 / 37      |                                     |     |     |            |     |      |           |            |          |       |                                    |       |       |       |       |       |      |           |          | 11       |           |       |  |  |
| 36 / 35      |                                     |     |     |            |     |      |           |            |          |       |                                    |       |       |       |       |       |      |           |          | 27       |           |       |  |  |
| 34 / 33      |                                     |     |     |            |     |      |           |            |          |       |                                    |       |       |       |       |       |      |           |          | 29       |           |       |  |  |
| 32 / 31      |                                     |     |     |            |     |      |           |            |          |       |                                    |       |       |       |       |       |      |           |          | 7        | 1         |       |  |  |
| 31 / 29      |                                     |     |     |            |     |      |           |            |          |       |                                    |       |       |       |       |       |      |           |          | 2        | 4         |       |  |  |
| 23 / 27      |                                     |     |     |            |     |      |           |            |          |       |                                    |       |       |       |       |       |      |           |          |          | 2         |       |  |  |
| 26 / 25      |                                     |     |     |            |     |      |           |            |          |       |                                    |       |       |       |       |       |      |           |          |          | 6         |       |  |  |
| 24 / 23      |                                     |     |     |            |     |      |           |            |          |       |                                    |       |       |       |       |       |      |           |          |          | 2         |       |  |  |
| 22 / 21      |                                     |     |     |            |     |      |           |            |          |       |                                    |       |       |       |       |       |      |           |          |          | 5         |       |  |  |
| 21 / 19      |                                     |     |     |            |     |      |           |            |          |       |                                    |       |       |       |       |       |      |           |          |          | 1         |       |  |  |
| 18 / 17      |                                     |     |     |            |     |      |           |            |          |       |                                    |       |       |       |       |       |      |           |          |          | 1         |       |  |  |
| 16 / 15      |                                     |     |     |            |     |      |           |            |          |       |                                    |       |       |       |       |       |      |           |          |          | 1         |       |  |  |
| 14 / 13      |                                     |     |     |            |     |      |           |            |          |       |                                    |       |       |       |       |       |      |           |          |          | 2         |       |  |  |
| 12 / 11      |                                     |     |     |            |     |      |           |            |          |       |                                    |       |       |       |       |       |      |           |          |          | 8         |       |  |  |
| 8 / 7        |                                     |     |     |            |     |      |           |            |          |       |                                    |       |       |       |       |       |      |           |          |          | 3         |       |  |  |
| 4 / 3        |                                     |     |     |            |     |      |           |            |          |       |                                    |       |       |       |       |       |      |           |          |          | 2         |       |  |  |
| 2 / 1        |                                     |     |     |            |     |      |           |            |          |       |                                    |       |       |       |       |       |      |           |          |          | 2         |       |  |  |
| 1 / -1       |                                     |     |     |            |     |      |           |            |          |       |                                    |       |       |       |       |       |      |           |          |          | 2         |       |  |  |
| -2 / -3      |                                     |     |     |            |     |      |           |            |          |       |                                    |       |       |       |       |       |      |           |          |          | 2         |       |  |  |
| -4 / -5      |                                     |     |     |            |     |      |           |            |          |       |                                    |       |       |       |       |       |      |           |          |          | 2         |       |  |  |
| -6 / -7      |                                     |     |     |            |     |      |           |            |          |       |                                    |       |       |       |       |       |      |           |          |          | 1         |       |  |  |
| -8 / -11     |                                     |     |     |            |     |      |           |            |          |       |                                    |       |       |       |       |       |      |           |          |          | 1         |       |  |  |
| Element (X)  | $\Sigma X^2$                        |     |     | $\Sigma X$ |     |      | $\bar{X}$ | $\sigma_x$ | No. Obs. |       | Mean No. of Hours with Temperature |       |       |       |       |       |      |           |          |          |           |       |  |  |



## PSYCHROMETRIC SUMMARY

JUN  
MONTH

[illegible]

USAFETAC  
FORM  
JUL 64  
0-26-5 (OL A)  
REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE



GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

# PSYCHROMETRIC SUMMARY

00001 MAUI OPTICAL SITE HI NORTH TOWER 79

JUN  
MONTH

PAGE 2 1200-1400  
HOURS (L. S. T.)

| Temp.<br>(F) | WET BULB TEMPERATURE DEPRESSION (F) |     |     |     |     |      |       |       |       |       |       |       |       |       |       |       |    |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  | TOTAL<br>D.B./W.B. | TOTAL |    |  |
|--------------|-------------------------------------|-----|-----|-----|-----|------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|----|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--------------------|-------|----|--|
|              | 0                                   | 1-2 | 3-4 | 5-6 | 7-8 | 9-10 | 11-12 | 13-14 | 15-16 | 17-18 | 19-20 | 21-22 | 23-24 | 25-26 | 27-28 | 29-30 | 31 |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |                    |       |    |  |
| -1/-13       |                                     |     |     |     |     |      |       |       |       |       |       |       |       |       |       |       |    |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |                    |       | 9  |  |
| -14/-15      |                                     |     |     |     |     |      |       |       |       |       |       |       |       |       |       |       |    |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |                    |       | 6  |  |
| -16/-17      |                                     |     |     |     |     |      |       |       |       |       |       |       |       |       |       |       |    |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |                    |       | 8  |  |
| -18/-19      |                                     |     |     |     |     |      |       |       |       |       |       |       |       |       |       |       |    |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |                    |       | 6  |  |
| -20/-21      |                                     |     |     |     |     |      |       |       |       |       |       |       |       |       |       |       |    |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |                    |       | 1  |  |
| -22/-23      |                                     |     |     |     |     |      |       |       |       |       |       |       |       |       |       |       |    |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |                    |       | 1  |  |
| -24/-25      |                                     |     |     |     |     |      |       |       |       |       |       |       |       |       |       |       |    |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |                    |       | 1  |  |
| -26/-27      |                                     |     |     |     |     |      |       |       |       |       |       |       |       |       |       |       |    |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |                    |       | 1  |  |
| -28/-29      |                                     |     |     |     |     |      |       |       |       |       |       |       |       |       |       |       |    |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |                    |       | 1  |  |
| -30/-31      |                                     |     |     |     |     |      |       |       |       |       |       |       |       |       |       |       |    |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |                    |       | 1  |  |
| -32/-33      |                                     |     |     |     |     |      |       |       |       |       |       |       |       |       |       |       |    |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |                    |       | 1  |  |
| -34/-35      |                                     |     |     |     |     |      |       |       |       |       |       |       |       |       |       |       |    |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |                    |       | 1  |  |
| -36/-37      |                                     |     |     |     |     |      |       |       |       |       |       |       |       |       |       |       |    |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |                    |       | 1  |  |
| TOTAL        |                                     |     |     | 1.1 | 4.4 | 6.7  | 7.8   | 8.9   | 8.9   | 10.0  | 11.1  | 12.0  | 11.1  |       |       |       |    |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  | 90                 | 90    | 90 |  |

USAFETAC FORM 0-26-5 (OL A) JUL 64 REVISOR PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

# PSYCHROMETRIC SUMMARY

0001 MAUI OPTICAL SITE HI NORTH TOWER 79

STATION

STATION NAME

YEARS

JUN  
MONTH

PAGE 1 1500-1700  
HOURS (L. S. T.)

| Temp.<br>(F) | WET BULB TEMPERATURE DEPRESSION (F) |     |            |     |           |      |            |       |          |       |                                    |        |        |        |        |        |       | TOTAL<br>D.B./W.B. | TOTAL    |          |           |
|--------------|-------------------------------------|-----|------------|-----|-----------|------|------------|-------|----------|-------|------------------------------------|--------|--------|--------|--------|--------|-------|--------------------|----------|----------|-----------|
|              | 0                                   | 1-2 | 3-4        | 5-6 | 7-8       | 9-10 | 11-12      | 13-14 | 15-16    | 17-18 | 19-20                              | 21-22  | 23-24  | 25-26  | 27-28  | 29-30  | ≥ 31  |                    | Dry Bulb | Wet Bulb | Dew Point |
| 12/ 63       |                                     |     |            |     |           |      |            |       |          |       |                                    |        | 2.2    |        |        |        |       | 2                  | 2        |          |           |
| 11/ 59       |                                     |     |            |     |           |      |            |       |          |       |                                    | 1.1    | 1.1    |        |        |        |       | 2                  | 2        |          |           |
| 58/ 57       |                                     |     |            |     |           |      |            | 1.1   | 1.1      | 1.1   | 1.1                                | 3.4    | 2.2    |        |        |        |       | 9                  | 9        |          |           |
| 56/ 55       |                                     |     |            |     |           |      | 1.1        | 1.1   | 3.4      |       | 1.1                                | 13.5   |        |        |        |        |       | 18                 | 18       |          |           |
| 47/ 53       |                                     |     |            |     |           |      | 2.2        |       |          | 3.4   | 5.6                                | 7.9    |        |        |        |        |       | 17                 | 17       |          |           |
| 52/ 51       |                                     |     |            |     |           |      | 2.2        | 4.5   | 2.2      | 3.4   | 5.6                                |        |        |        |        |        |       | 16                 | 16       |          |           |
| 51/ 49       |                                     |     |            |     |           | 2.2  | 4.5        | 2.2   | 1.1      |       |                                    |        |        |        |        |        |       | 9                  | 9        |          |           |
| 46/ 47       |                                     |     |            |     |           | 3.4  |            | 2.2   |          | 2.2   |                                    |        |        |        |        |        |       | 7                  | 7        |          |           |
| 46/ 45       |                                     |     |            |     |           |      |            | 1.1   |          | 1.1   |                                    |        |        |        |        |        |       | 2                  | 2        | 1        |           |
| 44/ 43       |                                     |     |            |     | 1.1       |      |            |       | 2.2      |       |                                    |        |        |        |        |        |       | 3                  | 3        | 1        |           |
| 42/ 41       |                                     |     |            | 1.1 | 1.1       |      | 1.1        |       |          |       |                                    |        |        |        |        |        |       | 3                  | 3        | 5        |           |
| 41/ 39       |                                     |     |            |     | 1.1       |      |            |       |          |       |                                    |        |        |        |        |        |       | 1                  | 1        | 10       |           |
| 36/ 37       |                                     |     |            |     |           |      |            |       |          |       |                                    |        |        |        |        |        |       |                    |          | 17       |           |
| 35/ 35       |                                     |     |            |     |           |      |            |       |          |       |                                    |        |        |        |        |        |       |                    |          | 15       |           |
| 34/ 33       |                                     |     |            |     |           |      |            |       |          |       |                                    |        |        |        |        |        |       |                    |          | 28       |           |
| 32/ 31       |                                     |     |            |     |           |      |            |       |          |       |                                    |        |        |        |        |        |       |                    |          | 6        | 2         |
| 31/ 29       |                                     |     |            |     |           |      |            |       |          |       |                                    |        |        |        |        |        |       |                    |          | 3        | 2         |
| 28/ 27       |                                     |     |            |     |           |      |            |       |          |       |                                    |        |        |        |        |        |       |                    |          | 3        | 5         |
| 26/ 25       |                                     |     |            |     |           |      |            |       |          |       |                                    |        |        |        |        |        |       |                    |          |          | 6         |
| 25/ 23       |                                     |     |            |     |           |      |            |       |          |       |                                    |        |        |        |        |        |       |                    |          |          | 5         |
| 21/ 21       |                                     |     |            |     |           |      |            |       |          |       |                                    |        |        |        |        |        |       |                    |          |          | 5         |
| 17/ 19       |                                     |     |            |     |           |      |            |       |          |       |                                    |        |        |        |        |        |       |                    |          |          | 4         |
| 16/ 17       |                                     |     |            |     |           |      |            |       |          |       |                                    |        |        |        |        |        |       |                    |          |          | 1         |
| 16/ 15       |                                     |     |            |     |           |      |            |       |          |       |                                    |        |        |        |        |        |       |                    |          |          | 4         |
| 14/ 13       |                                     |     |            |     |           |      |            |       |          |       |                                    |        |        |        |        |        |       |                    |          |          | 3         |
| 11/ 11       |                                     |     |            |     |           |      |            |       |          |       |                                    |        |        |        |        |        |       |                    |          |          | 3         |
| 10/ 9        |                                     |     |            |     |           |      |            |       |          |       |                                    |        |        |        |        |        |       |                    |          |          | 1         |
| 8/ 7         |                                     |     |            |     |           |      |            |       |          |       |                                    |        |        |        |        |        |       |                    |          |          | 3         |
| 6/ 5         |                                     |     |            |     |           |      |            |       |          |       |                                    |        |        |        |        |        |       |                    |          |          | 1         |
| 4/ 3         |                                     |     |            |     |           |      |            |       |          |       |                                    |        |        |        |        |        |       |                    |          |          | 1         |
| 1/ 1         |                                     |     |            |     |           |      |            |       |          |       |                                    |        |        |        |        |        |       |                    |          |          | 3         |
| 0/ -1        |                                     |     |            |     |           |      |            |       |          |       |                                    |        |        |        |        |        |       |                    |          |          | 1         |
| -0/ -9       |                                     |     |            |     |           |      |            |       |          |       |                                    |        |        |        |        |        |       |                    |          |          | 1         |
| -1/ -11      |                                     |     |            |     |           |      |            |       |          |       |                                    |        |        |        |        |        |       |                    |          |          | 5         |
| Element (X)  | $\Sigma X^2$                        |     | $\Sigma X$ |     | $\bar{X}$ |      | $\sigma_x$ |       | No. Obs. |       | Mean No. of Hours with Temperature |        |        |        |        |        |       |                    |          |          |           |
| Rel. Hum.    |                                     |     |            |     |           |      |            |       |          |       | ≤ 0 F                              | ≤ 32 F | ≥ 67 F | ≥ 73 F | ≥ 80 F | ≥ 93 F | Total |                    |          |          |           |
| Dry Bulb     |                                     |     |            |     |           |      |            |       |          |       |                                    |        |        |        |        |        |       |                    |          |          |           |
| Wet Bulb     |                                     |     |            |     |           |      |            |       |          |       |                                    |        |        |        |        |        |       |                    |          |          |           |
| Dew Point    |                                     |     |            |     |           |      |            |       |          |       |                                    |        |        |        |        |        |       |                    |          |          |           |

USAFETAC FORM 0-26-5 (OLA) JUL 44

REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

## PSYCHROMETRIC SUMMARY

| STATION | STATION NAME                     |    |
|---------|----------------------------------|----|
| 00001   | MAUI OPTICAL SITE HI NORTH TOWER | 79 |

JUN  
MONTH

PAGE 2 1500-1700  
HOURS (L. S. T.)

[illegible]

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

## PSYCHROMETRIC SUMMARY

0001 MAUI OPTICAL SITE HI NORTH TOWER 79

STATION

STATION NAME

YEARS

JUN

MONTH

PAGE 1 1800-2000  
HOURS (L. S. T.)

| Temp.<br>(F) | WET BULB TEMPERATURE DEPRESSION (F) |     |     |     |     |      |       |       |       |       |          |       |                                    |        |        |        |        |        |       |  | TOTAL<br>D.B./W.B. | TOTAL    |          |           |
|--------------|-------------------------------------|-----|-----|-----|-----|------|-------|-------|-------|-------|----------|-------|------------------------------------|--------|--------|--------|--------|--------|-------|--|--------------------|----------|----------|-----------|
|              | 0                                   | 1-2 | 3-4 | 5-6 | 7-8 | 9-10 | 11-12 | 13-14 | 15-16 | 17-18 | 19-20    | 21-22 | 23-24                              | 25-26  | 27-28  | 29-30  | >31    |        |       |  |                    | Dry Bulb | Wet Bulb | Dew Point |
| 56/ 57       |                                     |     |     |     |     |      |       |       |       |       |          | 1.1   | 1.1                                |        |        |        |        |        |       |  | 2                  | 2        |          |           |
| 56/ 55       |                                     |     |     |     |     |      |       | 2.3   |       |       |          | 4.6   |                                    |        |        |        |        |        |       |  | 6                  | 6        |          |           |
| 54/ 53       |                                     |     |     |     |     |      | 1.1   |       |       | 1.1   | 5.7      | 4.6   |                                    |        |        |        |        |        |       |  | 11                 | 11       |          |           |
| 52/ 51       |                                     |     |     |     |     |      |       |       |       | 5.7   | 20.7     |       |                                    |        |        |        |        |        |       |  | 23                 | 23       |          |           |
| 5 / 49       |                                     |     |     |     |     | 1.1  | 1.1   |       |       | 6.9   | 9.2      |       |                                    |        |        |        |        |        |       |  | 16                 | 16       |          |           |
| 48/ 47       |                                     |     |     |     |     | 3.4  |       | 3.4   |       | 6.9   |          |       |                                    |        |        |        |        |        |       |  | 12                 | 12       |          |           |
| 46/ 45       |                                     |     |     |     | 1.1 | 3.4  |       | 2.3   | 1.1   | 1.1   |          |       |                                    |        |        |        |        |        |       |  | 8                  | 8        |          |           |
| 44/ 43       |                                     |     |     |     |     |      | 1.1   |       | 1.1   |       |          |       |                                    |        |        |        |        |        |       |  | 2                  | 2        |          |           |
| 42/ 41       |                                     |     |     |     | 1.1 |      |       |       |       |       |          |       |                                    |        |        |        |        |        |       |  | 1                  | 1        | 3        |           |
| 4 / 39       |                                     |     |     |     |     |      | 1.1   |       | 1.1   |       |          |       |                                    |        |        |        |        |        |       |  | 2                  | 2        | 2        |           |
| 38/ 37       |                                     |     |     |     |     |      | 1.1   |       |       |       |          |       |                                    |        |        |        |        |        |       |  | 1                  | 1        | 7        |           |
| 36/ 35       |                                     |     | 2.3 |     |     |      |       |       |       |       |          |       |                                    |        |        |        |        |        |       |  | 2                  | 2        | 5        |           |
| 34/ 33       |                                     |     |     |     |     |      |       |       |       |       |          |       |                                    |        |        |        |        |        |       |  |                    |          | 29       |           |
| 32/ 31       |                                     | 1.1 |     |     |     |      |       |       |       |       |          |       |                                    |        |        |        |        |        |       |  | 1                  | 1        | 29       |           |
| 3 / 2        |                                     |     |     |     |     |      |       |       |       |       |          |       |                                    |        |        |        |        |        |       |  |                    |          | 12       | 3         |
| 28/ 27       |                                     |     |     |     |     |      |       |       |       |       |          |       |                                    |        |        |        |        |        |       |  |                    |          | 3        | 5         |
| 26/ 25       |                                     |     |     |     |     |      |       |       |       |       |          |       |                                    |        |        |        |        |        |       |  |                    |          | 1        | 6         |
| 24/ 23       |                                     |     |     |     |     |      |       |       |       |       |          |       |                                    |        |        |        |        |        |       |  |                    |          |          | 2         |
| 16/ 15       |                                     |     |     |     |     |      |       |       |       |       |          |       |                                    |        |        |        |        |        |       |  |                    |          |          | 2         |
| 14/ 13       |                                     |     |     |     |     |      |       |       |       |       |          |       |                                    |        |        |        |        |        |       |  |                    |          |          | 1         |
| 12/ 11       |                                     |     |     |     |     |      |       |       |       |       |          |       |                                    |        |        |        |        |        |       |  |                    |          |          | 2         |
| 1 / 9        |                                     |     |     |     |     |      |       |       |       |       |          |       |                                    |        |        |        |        |        |       |  |                    |          |          | 2         |
| 8/ 7         |                                     |     |     |     |     |      |       |       |       |       |          |       |                                    |        |        |        |        |        |       |  |                    |          |          | 1         |
| 6/ 5         |                                     |     |     |     |     |      |       |       |       |       |          |       |                                    |        |        |        |        |        |       |  |                    |          |          | 3         |
| 4/ 3         |                                     |     |     |     |     |      |       |       |       |       |          |       |                                    |        |        |        |        |        |       |  |                    |          |          | 3         |
| 2/ 1         |                                     |     |     |     |     |      |       |       |       |       |          |       |                                    |        |        |        |        |        |       |  |                    |          |          | 2         |
| / -1         |                                     |     |     |     |     |      |       |       |       |       |          |       |                                    |        |        |        |        |        |       |  |                    |          |          | 2         |
| - / -3       |                                     |     |     |     |     |      |       |       |       |       |          |       |                                    |        |        |        |        |        |       |  |                    |          |          | 3         |
| -4/ -5       |                                     |     |     |     |     |      |       |       |       |       |          |       |                                    |        |        |        |        |        |       |  |                    |          |          | 2         |
| -6/ -7       |                                     |     |     |     |     |      |       |       |       |       |          |       |                                    |        |        |        |        |        |       |  |                    |          |          | 1         |
| -8/ -9       |                                     |     |     |     |     |      |       |       |       |       |          |       |                                    |        |        |        |        |        |       |  |                    |          |          | 3         |
| - / -11      |                                     |     |     |     |     |      |       |       |       |       |          |       |                                    |        |        |        |        |        |       |  |                    |          |          | 3         |
| -12/-13      |                                     |     |     |     |     |      |       |       |       |       |          |       |                                    |        |        |        |        |        |       |  |                    |          |          | 2         |
| -14/-15      |                                     |     |     |     |     |      |       |       |       |       |          |       |                                    |        |        |        |        |        |       |  |                    |          |          | 2         |
| Element (X)  | ΣX'                                 |     | ΣX  |     | Σ   |      | Σ     |       | Σ     |       | No. Obs. |       | Mean No. of Hours with Temperature |        |        |        |        |        |       |  |                    |          |          |           |
| Rel. Hum.    |                                     |     |     |     |     |      |       |       |       |       |          |       | ≤ 0 F                              | ≤ 32 F | ≥ 67 F | ≥ 73 F | ≥ 80 F | ≥ 93 F | Total |  |                    |          |          |           |
| Dry Bulb     |                                     |     |     |     |     |      |       |       |       |       |          |       |                                    |        |        |        |        |        |       |  |                    |          |          |           |
| Wet Bulb     |                                     |     |     |     |     |      |       |       |       |       |          |       |                                    |        |        |        |        |        |       |  |                    |          |          |           |
| Dew Point    |                                     |     |     |     |     |      |       |       |       |       |          |       |                                    |        |        |        |        |        |       |  |                    |          |          |           |

REVISOR PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

0-26-5 (OL A)

JAN 64

USAFETAC

## PSYCHROMETRIC SUMMARY

|         |                                  |    |
|---------|----------------------------------|----|
| 0001    | MAUI OPTICAL SITE HI NORTH TOWER | 79 |
| STATION | STATION NAME                     |    |

**YEARS**

JUN  
MONTH

PAGE 2 1800-2000  
HOURS (L. S. T.)

[illegible]

## PSYCHROMETRIC SUMMARY

79

JUN

PAGE 1 2100-2300  
HOURS (L. S. T.)

[illegible]



## PSYCHROMETRIC SUMMARY

JUN  
MONTH

PAGE 2 2100-2300  
HOURS (L. S. T.)

| Temp.<br>(F) | WET BULB TEMPERATURE DEPRESSION (F) |     |     |     |     |      |       |       |       |       |       |       |       |       |       |       |      | TOTAL     | TOTAL    |          |           |
|--------------|-------------------------------------|-----|-----|-----|-----|------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|------|-----------|----------|----------|-----------|
|              | 0                                   | 1-2 | 3-4 | 5-6 | 7-8 | 9-10 | 11-12 | 13-14 | 15-16 | 17-18 | 19-20 | 21-22 | 23-24 | 25-26 | 27-28 | 29-30 | = 31 | D.B./W.B. | Dry Bulb | Wet Bulb | Dew Point |
| -26/-27      |                                     |     |     |     |     |      |       |       |       |       |       |       |       |       |       |       |      |           |          |          | 1         |
| -28/-29      |                                     |     |     |     |     |      |       |       |       |       |       |       |       |       |       |       |      |           |          |          | 3         |
| -32/-33      |                                     |     |     |     |     |      |       |       |       |       |       |       |       |       |       |       |      |           |          |          | 2         |
| -34/-35      |                                     |     |     |     |     |      |       |       |       |       |       |       |       |       |       |       |      |           |          |          | 1         |
| -36/-37      |                                     |     |     |     |     |      |       |       |       |       |       |       |       |       |       |       |      |           |          |          | 2         |
| TOTAL        |                                     | 1.1 | 2.3 | 1.1 | 5.7 | 4.6  | 5.7   | 8.0   | 3.4   | 14.9  | 44.8  | 8.7   |       |       |       |       |      |           | 87       |          | 87        |
|              |                                     |     |     |     |     |      |       |       |       |       |       |       |       |       |       |       |      |           | 87       |          | 87        |
|              |                                     |     |     |     |     |      |       |       |       |       |       |       |       |       |       |       |      |           |          |          |           |
|              |                                     |     |     |     |     |      |       |       |       |       |       |       |       |       |       |       |      |           |          |          |           |
|              |                                     |     |     |     |     |      |       |       |       |       |       |       |       |       |       |       |      |           |          |          |           |
|              |                                     |     |     |     |     |      |       |       |       |       |       |       |       |       |       |       |      |           |          |          |           |
|              |                                     |     |     |     |     |      |       |       |       |       |       |       |       |       |       |       |      |           |          |          |           |
|              |                                     |     |     |     |     |      |       |       |       |       |       |       |       |       |       |       |      |           |          |          |           |
|              |                                     |     |     |     |     |      |       |       |       |       |       |       |       |       |       |       |      |           |          |          |           |
|              |                                     |     |     |     |     |      |       |       |       |       |       |       |       |       |       |       |      |           |          |          |           |
|              |                                     |     |     |     |     |      |       |       |       |       |       |       |       |       |       |       |      |           |          |          |           |
|              |                                     |     |     |     |     |      |       |       |       |       |       |       |       |       |       |       |      |           |          |          |           |
|              |                                     |     |     |     |     |      |       |       |       |       |       |       |       |       |       |       |      |           |          |          |           |
|              |                                     |     |     |     |     |      |       |       |       |       |       |       |       |       |       |       |      |           |          |          |           |
|              |                                     |     |     |     |     |      |       |       |       |       |       |       |       |       |       |       |      |           |          |          |           |
|              |                                     |     |     |     |     |      |       |       |       |       |       |       |       |       |       |       |      |           |          |          |           |
|              |                                     |     |     |     |     |      |       |       |       |       |       |       |       |       |       |       |      |           |          |          |           |
|              |                                     |     |     |     |     |      |       |       |       |       |       |       |       |       |       |       |      |           |          |          |           |
|              |                                     |     |     |     |     |      |       |       |       |       |       |       |       |       |       |       |      |           |          |          |           |
|              |                                     |     |     |     |     |      |       |       |       |       |       |       |       |       |       |       |      |           |          |          |           |
|              |                                     |     |     |     |     |      |       |       |       |       |       |       |       |       |       |       |      |           |          |          |           |
|              |                                     |     |     |     |     |      |       |       |       |       |       |       |       |       |       |       |      |           |          |          |           |
|              |                                     |     |     |     |     |      |       |       |       |       |       |       |       |       |       |       |      |           |          |          |           |
|              |                                     |     |     |     |     |      |       |       |       |       |       |       |       |       |       |       |      |           |          |          |           |
|              |                                     |     |     |     |     |      |       |       |       |       |       |       |       |       |       |       |      |           |          |          |           |
|              |                                     |     |     |     |     |      |       |       |       |       |       |       |       |       |       |       |      |           |          |          |           |
|              |                                     |     |     |     |     |      |       |       |       |       |       |       |       |       |       |       |      |           |          |          |           |
|              |                                     |     |     |     |     |      |       |       |       |       |       |       |       |       |       |       |      |           |          |          |           |
|              |                                     |     |     |     |     |      |       |       |       |       |       |       |       |       |       |       |      |           |          |          |           |
|              |                                     |     |     |     |     |      |       |       |       |       |       |       |       |       |       |       |      |           |          |          |           |
|              |                                     |     |     |     |     |      |       |       |       |       |       |       |       |       |       |       |      |           |          |          |           |
|              |                                     |     |     |     |     |      |       |       |       |       |       |       |       |       |       |       |      |           |          |          |           |
|              |                                     |     |     |     |     |      |       |       |       |       |       |       |       |       |       |       |      |           |          |          |           |
|              |                                     |     |     |     |     |      |       |       |       |       |       |       |       |       |       |       |      |           |          |          |           |
|              |                                     |     |     |     |     |      |       |       |       |       |       |       |       |       |       |       |      |           |          |          |           |
|              |                                     |     |     |     |     |      |       |       |       |       |       |       |       |       |       |       |      |           |          |          |           |
|              |                                     |     |     |     |     |      |       |       |       |       |       |       |       |       |       |       |      |           |          |          |           |
|              |                                     |     |     |     |     |      |       |       |       |       |       |       |       |       |       |       |      |           |          |          |           |
|              |                                     |     |     |     |     |      |       |       |       |       |       |       |       |       |       |       |      |           |          |          |           |
|              |                                     |     |     |     |     |      |       |       |       |       |       |       |       |       |       |       |      |           |          |          |           |
|              |                                     |     |     |     |     |      |       |       |       |       |       |       |       |       |       |       |      |           |          |          |           |
|              |                                     |     |     |     |     |      |       |       |       |       |       |       |       |       |       |       |      |           |          |          |           |
|              |                                     |     |     |     |     |      |       |       |       |       |       |       |       |       |       |       |      |           |          |          |           |
|              |                                     |     |     |     |     |      |       |       |       |       |       |       |       |       |       |       |      |           |          |          |           |
|              |                                     |     |     |     |     |      |       |       |       |       |       |       |       |       |       |       |      |           |          |          |           |
|              |                                     |     |     |     |     |      |       |       |       |       |       |       |       |       |       |       |      |           |          |          |           |
|              |                                     |     |     |     |     |      |       |       |       |       |       |       |       |       |       |       |      |           |          |          |           |
|              |                                     |     |     |     |     |      |       |       |       |       |       |       |       |       |       |       |      |           |          |          |           |
|              |                                     |     |     |     |     |      |       |       |       |       |       |       |       |       |       |       |      |           |          |          |           |
|              |                                     |     |     |     |     |      |       |       |       |       |       |       |       |       |       |       |      |           |          |          |           |
|              |                                     |     |     |     |     |      |       |       |       |       |       |       |       |       |       |       |      |           |          |          |           |
|              |                                     |     |     |     |     |      |       |       |       |       |       |       |       |       |       |       |      |           |          |          |           |

## PSYCHROMETRIC SUMMARY

JUN  
MONTH

**ALL**

**HOURS (L. S. T.)**

| Temp.<br>(F) | WET BULB TEMPERATURE DEPRESSION (F) |     |            |     |           |      |            |       |          |       |                                    |       |       |       |       |       |      |          |          |           | TOTAL<br>D.B./W.B. | TOTAL |  |  |
|--------------|-------------------------------------|-----|------------|-----|-----------|------|------------|-------|----------|-------|------------------------------------|-------|-------|-------|-------|-------|------|----------|----------|-----------|--------------------|-------|--|--|
|              | 0                                   | 1-2 | 3-4        | 5-6 | 7-8       | 9-10 | 11-12      | 13-14 | 15-16    | 17-18 | 19-20                              | 21-22 | 23-24 | 25-26 | 27-28 | 29-30 | ≥ 31 | Dry Bulb | Wet Bulb | Dew Point |                    |       |  |  |
| 64/ 63       |                                     |     |            |     |           |      |            |       |          |       | .1                                 |       |       |       |       |       |      | 1        | 1        |           |                    |       |  |  |
| 62/ 61       |                                     |     |            |     |           |      |            |       |          |       | .1                                 | .1    | .6    |       |       |       |      | 6        | 6        |           |                    |       |  |  |
| 58/ 59       |                                     |     |            |     |           |      |            |       | .3       | .1    | .3                                 | .3    | 1.1   |       |       |       |      | 15       | 15       |           |                    |       |  |  |
| 56/ 57       |                                     |     |            |     |           |      |            | .3    | .6       | .3    | .6                                 | 1.8   | 2.2   |       |       |       |      | 40       | 40       |           |                    |       |  |  |
| 58/ 55       |                                     |     |            |     |           |      | .1         | 1.3   | .7       | .6    | 1.0                                | 7.7   |       |       |       |       |      | 81       | 81       |           |                    |       |  |  |
| 54/ 53       |                                     |     |            |     |           |      | .7         | .7    | .3       | 1.4   | 4.1                                | 4.1   |       |       |       |       |      | 80       | 80       |           |                    |       |  |  |
| 52/ 51       |                                     |     |            |     |           |      | .4         | 1.1   | .8       | 2.0   | 11.7                               |       |       |       |       |       |      | 114      | 114      |           |                    |       |  |  |
| 5 / 49       |                                     |     |            |     |           | .8   | 1.8        | .6    | .8       | 3.2   | 7.2                                |       |       |       |       |       |      | 103      | 103      |           |                    |       |  |  |
| 48/ 47       |                                     |     |            |     | .3        | 1.4  | .4         | 2.5   | .3       | 11.1  |                                    |       |       |       |       |       |      | 114      | 114      |           |                    |       |  |  |
| 46/ 45       |                                     |     |            | .3  | .8        | 1.7  | 1.3        | 1.1   | 1.0      | 3.5   |                                    |       |       |       |       |       |      | 69       | 69       | 2         |                    |       |  |  |
| 44/ 43       |                                     |     |            | 1.0 | .7        | 1.3  | .4         | .7    | 1.4      | .3    |                                    |       |       |       |       |       |      | 41       | 41       | 6         |                    |       |  |  |
| 42/ 41       |                                     |     |            | .6  | .7        | .1   | .1         | .4    | .6       |       |                                    |       |       |       |       |       |      | 18       | 18       | 23        |                    |       |  |  |
| 4 / 39       |                                     |     | .7         | .3  | .7        | .1   | .1         | .1    | .1       |       |                                    |       |       |       |       |       |      | 16       | 16       | 33        |                    |       |  |  |
| 36/ 37       |                                     |     | .6         | .1  |           | .1   | .1         |       |          |       |                                    |       |       |       |       |       |      | 7        | 7        | 68        |                    |       |  |  |
| 36/ 35       |                                     | .1  | .6         |     |           |      |            |       |          |       |                                    |       |       |       |       |       |      | 5        | 5        | 95        |                    |       |  |  |
| 34/ 33       |                                     | .1  |            |     |           |      |            |       |          |       |                                    |       |       |       |       |       |      | 1        | 1        | 172       |                    |       |  |  |
| 32/ 31       |                                     | .1  |            |     |           |      |            |       |          |       |                                    |       |       |       |       |       |      | 1        | 1        | 164       |                    |       |  |  |
| 3 / 20       |                                     |     |            |     |           |      |            |       |          |       |                                    |       |       |       |       |       |      |          |          | 117       |                    |       |  |  |
| 28/ 27       |                                     |     |            |     |           |      |            |       |          |       |                                    |       |       |       |       |       |      |          |          | 28        |                    |       |  |  |
| 26/ 25       |                                     |     |            |     |           |      |            |       |          |       |                                    |       |       |       |       |       |      |          |          | 4         |                    |       |  |  |
| 24/ 23       |                                     |     |            |     |           |      |            |       |          |       |                                    |       |       |       |       |       |      |          |          |           |                    |       |  |  |
| 22/ 21       |                                     |     |            |     |           |      |            |       |          |       |                                    |       |       |       |       |       |      |          |          |           |                    |       |  |  |
| 2 / 19       |                                     |     |            |     |           |      |            |       |          |       |                                    |       |       |       |       |       |      |          |          |           |                    |       |  |  |
| 10/ 17       |                                     |     |            |     |           |      |            |       |          |       |                                    |       |       |       |       |       |      |          |          |           |                    |       |  |  |
| 16/ 15       |                                     |     |            |     |           |      |            |       |          |       |                                    |       |       |       |       |       |      |          |          |           |                    |       |  |  |
| 14/ 13       |                                     |     |            |     |           |      |            |       |          |       |                                    |       |       |       |       |       |      |          |          |           |                    |       |  |  |
| 12/ 11       |                                     |     |            |     |           |      |            |       |          |       |                                    |       |       |       |       |       |      |          |          |           |                    |       |  |  |
| 8 / 9        |                                     |     |            |     |           |      |            |       |          |       |                                    |       |       |       |       |       |      |          |          |           |                    |       |  |  |
| 6/ 7         |                                     |     |            |     |           |      |            |       |          |       |                                    |       |       |       |       |       |      |          |          |           |                    |       |  |  |
| 6/ 6         |                                     |     |            |     |           |      |            |       |          |       |                                    |       |       |       |       |       |      |          |          |           |                    |       |  |  |
| 4/ 3         |                                     |     |            |     |           |      |            |       |          |       |                                    |       |       |       |       |       |      |          |          |           |                    |       |  |  |
| 2/           |                                     |     |            |     |           |      |            |       |          |       |                                    |       |       |       |       |       |      |          |          |           |                    |       |  |  |
| / -1         |                                     |     |            |     |           |      |            |       |          |       |                                    |       |       |       |       |       |      |          |          |           |                    |       |  |  |
| - / -3       |                                     |     |            |     |           |      |            |       |          |       |                                    |       |       |       |       |       |      |          |          |           |                    |       |  |  |
| Element (X)  | $\Sigma x^2$                        |     | $\Sigma x$ |     | $\bar{x}$ |      | $\sigma_x$ |       | No. Obs. |       | Mean No. of Hours with Temperature |       |       |       |       |       |      |          |          |           |                    |       |  |  |

REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

FORM 0-26-5 (OLA)

**USAFETAC**

## PSYCHROMETRIC SUMMARY

**JUN**  
**MONTH**

ALL

**HOURS (L. S. T.)**

[illegible]

## PSYCHROMETRIC SUMMARY

**YEARS**

**JUL**  
**MONTH**

PAGE 1 0000-0200  
HOURS (L. S. T.)

| Temp.<br>(F) | WET BULB TEMPERATURE DEPRESSION (F) |            |           |            |          |                                    |        |        |        |        |        |       |       |       |       |       |      |           |          |          | TOTAL     | TOTAL |  |  |
|--------------|-------------------------------------|------------|-----------|------------|----------|------------------------------------|--------|--------|--------|--------|--------|-------|-------|-------|-------|-------|------|-----------|----------|----------|-----------|-------|--|--|
|              | 0                                   | 1-2        | 3-4       | 5-6        | 7-8      | 9-10                               | 11-12  | 13-14  | 15-16  | 17-18  | 19-20  | 21-22 | 23-24 | 25-26 | 27-28 | 29-30 | ≥ 31 | D.B./W.B. | Dry Bulb | Wet Bulb | Dew Point |       |  |  |
| 52 / 55      |                                     |            |           |            |          |                                    |        |        |        | 1.2    |        |       |       |       |       |       |      | 1         | 1        |          |           |       |  |  |
| 54 / 53      |                                     |            |           |            |          |                                    |        |        |        |        | 1.2    | 1.2   |       |       |       |       |      | 2         | 2        |          |           |       |  |  |
| 52 / 51      |                                     |            |           |            |          |                                    |        |        | 1.2    | 1.2    | 9.5    |       |       |       |       |       |      | 10        | 10       |          |           |       |  |  |
| 5 / 49       |                                     |            |           |            | 1.2      |                                    |        |        | 2.4    | 9.5    | 13.1   |       |       |       |       |       |      | 22        | 22       |          |           |       |  |  |
| 48 / 47      |                                     |            |           |            |          | 1.2                                | 2.4    |        | 2.4    | 9.5    |        |       |       |       |       |       |      | 13        | 13       |          |           |       |  |  |
| 46 / 45      |                                     |            |           |            | 1.2      | 2.4                                | 1.2    | 3.6    | 2.4    | 6.0    |        |       |       |       |       |       |      | 14        | 14       |          |           |       |  |  |
| 44 / 43      |                                     |            |           | 1.2        | 3.6      | 4.8                                |        | 1.2    | 4.8    |        |        |       |       |       |       |       |      | 13        | 13       |          |           |       |  |  |
| 42 / 42      |                                     |            | 1.2       |            |          | 1.2                                |        |        | 4.8    |        |        |       |       |       |       |       |      | 6         | 6        |          | 1         |       |  |  |
| 41 / 39      |                                     |            |           |            |          |                                    |        | 1.2    | 2.4    |        |        |       |       |       |       |       |      | 3         | 3        |          |           |       |  |  |
| 39 / 37      |                                     |            |           |            |          |                                    |        |        |        |        |        |       |       |       |       |       |      |           |          |          | 9         |       |  |  |
| 36 / 35      |                                     |            |           |            |          |                                    |        |        |        |        |        |       |       |       |       |       |      |           |          |          | 5         |       |  |  |
| 34 / 33      |                                     |            |           |            |          |                                    |        |        |        |        |        |       |       |       |       |       |      |           |          | 14       | 2         |       |  |  |
| 32 / 31      |                                     |            |           |            |          |                                    |        |        |        |        |        |       |       |       |       |       |      |           |          | 32       |           |       |  |  |
| 3 / 29       |                                     |            |           |            |          |                                    |        |        |        |        |        |       |       |       |       |       |      |           |          | 11       | 1         |       |  |  |
| 28 / 27      |                                     |            |           |            |          |                                    |        |        |        |        |        |       |       |       |       |       |      |           |          | 7        | 3         |       |  |  |
| 26 / 25      |                                     |            |           |            |          |                                    |        |        |        |        |        |       |       |       |       |       |      |           |          | 5        | 3         |       |  |  |
| 24 / 23      |                                     |            |           |            |          |                                    |        |        |        |        |        |       |       |       |       |       |      |           |          |          | 1         |       |  |  |
| 22 / 21      |                                     |            |           |            |          |                                    |        |        |        |        |        |       |       |       |       |       |      |           |          |          | 2         |       |  |  |
| 2 / 19       |                                     |            |           |            |          |                                    |        |        |        |        |        |       |       |       |       |       |      |           |          |          | 4         |       |  |  |
| 18 / 17      |                                     |            |           |            |          |                                    |        |        |        |        |        |       |       |       |       |       |      |           |          |          | 1         |       |  |  |
| 16 / 15      |                                     |            |           |            |          |                                    |        |        |        |        |        |       |       |       |       |       |      |           |          |          | 1         |       |  |  |
| 14 / 13      |                                     |            |           |            |          |                                    |        |        |        |        |        |       |       |       |       |       |      |           |          |          | 2         |       |  |  |
| 12 / 11      |                                     |            |           |            |          |                                    |        |        |        |        |        |       |       |       |       |       |      |           |          |          | 1         |       |  |  |
| 1 / 9        |                                     |            |           |            |          |                                    |        |        |        |        |        |       |       |       |       |       |      |           |          |          | 2         |       |  |  |
| 5 / 7        |                                     |            |           |            |          |                                    |        |        |        |        |        |       |       |       |       |       |      |           |          |          | 3         |       |  |  |
| 6 / 5        |                                     |            |           |            |          |                                    |        |        |        |        |        |       |       |       |       |       |      |           |          |          | 1         |       |  |  |
| 4 / 3        |                                     |            |           |            |          |                                    |        |        |        |        |        |       |       |       |       |       |      |           |          |          | 3         |       |  |  |
| 2 / 1        |                                     |            |           |            |          |                                    |        |        |        |        |        |       |       |       |       |       |      |           |          |          | 3         |       |  |  |
| -1 / -3      |                                     |            |           |            |          |                                    |        |        |        |        |        |       |       |       |       |       |      |           |          |          | 2         |       |  |  |
| -4 / -5      |                                     |            |           |            |          |                                    |        |        |        |        |        |       |       |       |       |       |      |           |          |          | 2         |       |  |  |
| -6 / -7      |                                     |            |           |            |          |                                    |        |        |        |        |        |       |       |       |       |       |      |           |          |          | 1         |       |  |  |
| -8 / -9      |                                     |            |           |            |          |                                    |        |        |        |        |        |       |       |       |       |       |      |           |          |          | 3         |       |  |  |
| -11 / -11    |                                     |            |           |            |          |                                    |        |        |        |        |        |       |       |       |       |       |      |           |          |          | 9         |       |  |  |
| -12 / -13    |                                     |            |           |            |          |                                    |        |        |        |        |        |       |       |       |       |       |      |           |          |          | 8         |       |  |  |
| Element (X)  | $\Sigma x^2$                        | $\Sigma x$ | $\bar{x}$ | $\sigma_x$ | No. Obs. | Mean No. of Hours with Temperature |        |        |        |        |        |       |       |       |       |       |      |           |          |          |           |       |  |  |
| Rel. Hum.    |                                     |            |           |            |          | ≤ 0 F                              | ≤ 32 F | ≥ 67 F | ≥ 73 F | ≥ 80 F | ≥ 93 F | Total |       |       |       |       |      |           |          |          |           |       |  |  |
| Dry Bulb     |                                     |            |           |            |          |                                    |        |        |        |        |        |       |       |       |       |       |      |           |          |          |           |       |  |  |

0-26-5 (OL A)

**USAFETAC**



## PSYCHROMETRIC SUMMARY

**JUL**  
**MONTH**

0300-0500  
HOURS (L. S. T.)

| Temp.<br>(F) | WET BULB TEMPERATURE DEPRESSION (F) |     |            |     |           |      |            |       |          |       |                                    |       |        |       |        |       |        |           | TOTAL    |          | TOTAL     |  |       |
|--------------|-------------------------------------|-----|------------|-----|-----------|------|------------|-------|----------|-------|------------------------------------|-------|--------|-------|--------|-------|--------|-----------|----------|----------|-----------|--|-------|
|              | 0                                   | 1-2 | 3-4        | 5-6 | 7-8       | 9-10 | 11-12      | 13-14 | 15-16    | 17-18 | 19-20                              | 21-22 | 23-24  | 25-26 | 27-28  | 29-30 | ≥ 31   | D.B./W.B. | Dry Bulb | Wet Bulb | Dew Point |  |       |
| 54 / 53      |                                     |     |            |     |           |      |            |       |          |       | 2.4                                |       |        |       |        |       |        |           | 2        | 2        |           |  |       |
| 52 / 51      |                                     |     |            |     |           |      |            |       |          | 1.2   | 13.1                               |       |        |       |        |       |        |           | 12       | 12       |           |  |       |
| 50 / 49      |                                     |     |            |     |           | 1.2  |            |       | 1.2      | 11.9  | 8.3                                |       |        |       |        |       |        |           | 19       | 19       |           |  |       |
| 48 / 47      |                                     |     |            |     | 1.2       |      |            | 2.4   | 4.8      | 16.7  |                                    |       |        |       |        |       |        |           | 21       | 21       |           |  |       |
| 46 / 45      |                                     |     |            | 1.2 | 1.2       |      | 2.4        |       | 4.8      | 3.6   |                                    |       |        |       |        |       |        |           | 11       | 11       |           |  |       |
| 44 / 43      |                                     |     |            | 1.2 | 1.2       | 1.2  | 1.2        |       | 7.2      |       |                                    |       |        |       |        |       |        |           | 10       | 10       |           |  |       |
| 42 / 41      |                                     |     |            | 1.2 | 1.2       | 1.2  | 1.2        |       | 3.6      |       |                                    |       |        |       |        |       |        |           | 7        | 7        |           |  |       |
| 40 / 39      |                                     |     |            |     |           | 1.2  |            |       | 1.2      |       |                                    |       |        |       |        |       |        |           | 2        | 2        | 4         |  |       |
| 38 / 37      |                                     |     |            |     |           |      |            |       |          |       |                                    |       |        |       |        |       |        |           |          |          | 1         |  |       |
| 36 / 35      |                                     |     |            |     |           |      |            |       |          |       |                                    |       |        |       |        |       |        |           |          |          | 4         |  |       |
| 34 / 33      |                                     |     |            |     |           |      |            |       |          |       |                                    |       |        |       |        |       |        |           |          | 16       | 2         |  |       |
| 32 / 31      |                                     |     |            |     |           |      |            |       |          |       |                                    |       |        |       |        |       |        |           |          | 34       | 2         |  |       |
| 30 / 29      |                                     |     |            |     |           |      |            |       |          |       |                                    |       |        |       |        |       |        |           |          | 12       | 2         |  |       |
| 28 / 27      |                                     |     |            |     |           |      |            |       |          |       |                                    |       |        |       |        |       |        |           |          | 9        | 1         |  |       |
| 26 / 25      |                                     |     |            |     |           |      |            |       |          |       |                                    |       |        |       |        |       |        |           |          | 4        |           |  |       |
| 24 / 23      |                                     |     |            |     |           |      |            |       |          |       |                                    |       |        |       |        |       |        |           |          |          |           |  |       |
| 22 / 19      |                                     |     |            |     |           |      |            |       |          |       |                                    |       |        |       |        |       |        |           |          |          | 1         |  |       |
| 20 / 17      |                                     |     |            |     |           |      |            |       |          |       |                                    |       |        |       |        |       |        |           |          |          | 1         |  |       |
| 18 / 15      |                                     |     |            |     |           |      |            |       |          |       |                                    |       |        |       |        |       |        |           |          |          | 3         |  |       |
| 16 / 13      |                                     |     |            |     |           |      |            |       |          |       |                                    |       |        |       |        |       |        |           |          |          | 2         |  |       |
| 14 / 11      |                                     |     |            |     |           |      |            |       |          |       |                                    |       |        |       |        |       |        |           |          |          | 2         |  |       |
| 12 / 9       |                                     |     |            |     |           |      |            |       |          |       |                                    |       |        |       |        |       |        |           |          |          | 1         |  |       |
| 10 / 7       |                                     |     |            |     |           |      |            |       |          |       |                                    |       |        |       |        |       |        |           |          |          | 1         |  |       |
| 8 / 5        |                                     |     |            |     |           |      |            |       |          |       |                                    |       |        |       |        |       |        |           |          |          | 4         |  |       |
| 6 / 3        |                                     |     |            |     |           |      |            |       |          |       |                                    |       |        |       |        |       |        |           |          |          | 4         |  |       |
| 4 / -1       |                                     |     |            |     |           |      |            |       |          |       |                                    |       |        |       |        |       |        |           |          |          | 4         |  |       |
| -2 / -3      |                                     |     |            |     |           |      |            |       |          |       |                                    |       |        |       |        |       |        |           |          |          | 4         |  |       |
| -4 / -5      |                                     |     |            |     |           |      |            |       |          |       |                                    |       |        |       |        |       |        |           |          |          | 2         |  |       |
| -6 / -9      |                                     |     |            |     |           |      |            |       |          |       |                                    |       |        |       |        |       |        |           |          |          | 13        |  |       |
| -8 / -11     |                                     |     |            |     |           |      |            |       |          |       |                                    |       |        |       |        |       |        |           |          |          | 9         |  |       |
| -10 / -13    |                                     |     |            |     |           |      |            |       |          |       |                                    |       |        |       |        |       |        |           |          |          | 9         |  |       |
| -12 / -15    |                                     |     |            |     |           |      |            |       |          |       |                                    |       |        |       |        |       |        |           |          |          | 6         |  |       |
| -14 / -17    |                                     |     |            |     |           |      |            |       |          |       |                                    |       |        |       |        |       |        |           |          |          | 6         |  |       |
| -16 / -19    |                                     |     |            |     |           |      |            |       |          |       |                                    |       |        |       |        |       |        |           |          |          | 1         |  |       |
| Element (X)  | $\Sigma X^2$                        |     | $\Sigma X$ |     | $\bar{X}$ |      | $\sigma_x$ |       | No. Obs. |       | Mean No. of Hours with Temperature |       |        |       |        |       |        |           |          |          |           |  |       |
| Rel. Hum.    |                                     |     |            |     |           |      |            |       |          |       | ≤ 0 F                              |       | ≤ 32 F |       | ≥ 67 F |       | ≥ 73 F |           | ≥ 80 F   |          | ≥ 93 F    |  | Total |
| Dry Bulb     |                                     |     |            |     |           |      |            |       |          |       |                                    |       |        |       |        |       |        |           |          |          |           |  |       |
| Wet Bulb     |                                     |     |            |     |           |      |            |       |          |       |                                    |       |        |       |        |       |        |           |          |          |           |  |       |
| Dew Point    |                                     |     |            |     |           |      |            |       |          |       |                                    |       |        |       |        |       |        |           |          |          |           |  |       |

0-26-5 (OLA) REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

**USAFETAC**

## PSYCHROMETRIC SUMMARY

PAGE 2

| Temp.<br>(F) | WET BULB TEMPERATURE DEPRESSION (F) |     |     |     |     |      |       |       |       |       |       |       |       |       |       |       |      | TOTAL     | TOTAL    |          |           |
|--------------|-------------------------------------|-----|-----|-----|-----|------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|------|-----------|----------|----------|-----------|
|              | 0                                   | 1-2 | 3-4 | 5-6 | 7-8 | 9-10 | 11-12 | 13-14 | 15-16 | 17-18 | 19-20 | 21-22 | 23-24 | 25-26 | 27-28 | 29-30 | ≥ 31 | D.B.-W.B. | Dry Bulb | Wet Bulb | Dew Point |
| - / -21      |                                     |     |     |     |     |      |       |       |       |       |       |       |       |       |       |       |      |           |          |          | 2         |
| - / -25      |                                     |     |     |     |     |      |       |       |       |       |       |       |       |       |       |       |      |           |          |          | 1         |
| TOTAL        |                                     |     |     | 3.6 | 4.8 | 4.8  | 4.8   | 2.4   | 22.6  | 33.3  | 23.8  |       |       |       |       |       |      |           | 84       | 84       | 84        |
|              |                                     |     |     |     |     |      |       |       |       |       |       |       |       |       |       |       |      |           |          |          |           |
|              |                                     |     |     |     |     |      |       |       |       |       |       |       |       |       |       |       |      |           |          |          |           |
|              |                                     |     |     |     |     |      |       |       |       |       |       |       |       |       |       |       |      |           |          |          |           |
|              |                                     |     |     |     |     |      |       |       |       |       |       |       |       |       |       |       |      |           |          |          |           |
|              |                                     |     |     |     |     |      |       |       |       |       |       |       |       |       |       |       |      |           |          |          |           |
|              |                                     |     |     |     |     |      |       |       |       |       |       |       |       |       |       |       |      |           |          |          |           |
|              |                                     |     |     |     |     |      |       |       |       |       |       |       |       |       |       |       |      |           |          |          |           |
|              |                                     |     |     |     |     |      |       |       |       |       |       |       |       |       |       |       |      |           |          |          |           |
|              |                                     |     |     |     |     |      |       |       |       |       |       |       |       |       |       |       |      |           |          |          |           |
|              |                                     |     |     |     |     |      |       |       |       |       |       |       |       |       |       |       |      |           |          |          |           |
|              |                                     |     |     |     |     |      |       |       |       |       |       |       |       |       |       |       |      |           |          |          |           |
|              |                                     |     |     |     |     |      |       |       |       |       |       |       |       |       |       |       |      |           |          |          |           |
|              |                                     |     |     |     |     |      |       |       |       |       |       |       |       |       |       |       |      |           |          |          |           |
|              |                                     |     |     |     |     |      |       |       |       |       |       |       |       |       |       |       |      |           |          |          |           |
|              |                                     |     |     |     |     |      |       |       |       |       |       |       |       |       |       |       |      |           |          |          |           |
|              |                                     |     |     |     |     |      |       |       |       |       |       |       |       |       |       |       |      |           |          |          |           |
|              |                                     |     |     |     |     |      |       |       |       |       |       |       |       |       |       |       |      |           |          |          |           |
|              |                                     |     |     |     |     |      |       |       |       |       |       |       |       |       |       |       |      |           |          |          |           |
|              |                                     |     |     |     |     |      |       |       |       |       |       |       |       |       |       |       |      |           |          |          |           |
|              |                                     |     |     |     |     |      |       |       |       |       |       |       |       |       |       |       |      |           |          |          |           |
|              |                                     |     |     |     |     |      |       |       |       |       |       |       |       |       |       |       |      |           |          |          |           |
|              |                                     |     |     |     |     |      |       |       |       |       |       |       |       |       |       |       |      |           |          |          |           |
|              |                                     |     |     |     |     |      |       |       |       |       |       |       |       |       |       |       |      |           |          |          |           |
|              |                                     |     |     |     |     |      |       |       |       |       |       |       |       |       |       |       |      |           |          |          |           |
|              |                                     |     |     |     |     |      |       |       |       |       |       |       |       |       |       |       |      |           |          |          |           |
|              |                                     |     |     |     |     |      |       |       |       |       |       |       |       |       |       |       |      |           |          |          |           |
|              |                                     |     |     |     |     |      |       |       |       |       |       |       |       |       |       |       |      |           |          |          |           |
|              |                                     |     |     |     |     |      |       |       |       |       |       |       |       |       |       |       |      |           |          |          |           |
|              |                                     |     |     |     |     |      |       |       |       |       |       |       |       |       |       |       |      |           |          |          |           |
|              |                                     |     |     |     |     |      |       |       |       |       |       |       |       |       |       |       |      |           |          |          |           |
|              |                                     |     |     |     |     |      |       |       |       |       |       |       |       |       |       |       |      |           |          |          |           |
|              |                                     |     |     |     |     |      |       |       |       |       |       |       |       |       |       |       |      |           |          |          |           |
|              |                                     |     |     |     |     |      |       |       |       |       |       |       |       |       |       |       |      |           |          |          |           |
|              |                                     |     |     |     |     |      |       |       |       |       |       |       |       |       |       |       |      |           |          |          |           |
|              |                                     |     |     |     |     |      |       |       |       |       |       |       |       |       |       |       |      |           |          |          |           |
|              |                                     |     |     |     |     |      |       |       |       |       |       |       |       |       |       |       |      |           |          |          |           |
|              |                                     |     |     |     |     |      |       |       |       |       |       |       |       |       |       |       |      |           |          |          |           |
|              |                                     |     |     |     |     |      |       |       |       |       |       |       |       |       |       |       |      |           |          |          |           |
|              |                                     |     |     |     |     |      |       |       |       |       |       |       |       |       |       |       |      |           |          |          |           |
|              |                                     |     |     |     |     |      |       |       |       |       |       |       |       |       |       |       |      |           |          |          |           |
|              |                                     |     |     |     |     |      |       |       |       |       |       |       |       |       |       |       |      |           |          |          |           |
|              |                                     |     |     |     |     |      |       |       |       |       |       |       |       |       |       |       |      |           |          |          |           |
|              |                                     |     |     |     |     |      |       |       |       |       |       |       |       |       |       |       |      |           |          |          |           |
|              |                                     |     |     |     |     |      |       |       |       |       |       |       |       |       |       |       |      |           |          |          |           |
|              |                                     |     |     |     |     |      |       |       |       |       |       |       |       |       |       |       |      |           |          |          |           |
|              |                                     |     |     |     |     |      |       |       |       |       |       |       |       |       |       |       |      |           |          |          |           |
|              |                                     |     |     |     |     |      |       |       |       |       |       |       |       |       |       |       |      |           |          |          |           |
|              |                                     |     |     |     |     |      |       |       |       |       |       |       |       |       |       |       |      |           |          |          |           |
|              |                                     |     |     |     |     |      |       |       |       |       |       |       |       |       |       |       |      |           |          |          |           |
|              |                                     |     |     |     |     |      |       |       |       |       |       |       |       |       |       |       |      |           |          |          |           |
|              |                                     |     |     |     |     |      |       |       |       |       |       |       |       |       |       |       |      |           |          |          |           |
|              |                                     |     |     |     |     |      |       |       |       |       |       |       |       |       |       |       |      |           |          |          |           |
|              |                                     |     |     |     |     |      |       |       |       |       |       |       |       |       |       |       |      |           |          |          |           |
|              |                                     |     |     |     |     |      |       |       |       |       |       |       |       |       |       |       |      |           |          |          |           |
|              |                                     |     | </  |     |     |      |       |       |       |       |       |       |       |       |       |       |      |           |          |          |           |

## PSYCHROMETRIC SUMMARY

YEARS

1984

PAGE 1 0600-0800  
HOURS (L. S. T.)

[illegible]

REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

**0-26-5 (OL A)**

FORM 1

**USAFETAC**



## PSYCHROMETRIC SUMMARY

| STATION | STATION NAME                     |    |
|---------|----------------------------------|----|
| 00001   | MAUI OPTICAL SITE HI NORTH TOWER | 79 |

**YEARS**

JUL  
MONTH

PAGE 2 0600-0800  
HOURS (L. S. T.)

| Temp.<br>(F) | WET BULB TEMPERATURE DEPRESSION (F) |     |     |     |     |      |       |       |       |       |       |       |       |       |       |       |      | TOTAL     | TOTAL    |          |           |
|--------------|-------------------------------------|-----|-----|-----|-----|------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|------|-----------|----------|----------|-----------|
|              | 0                                   | 1-2 | 3-4 | 5-6 | 7-8 | 9-10 | 11-12 | 13-14 | 15-16 | 17-18 | 19-20 | 21-22 | 23-24 | 25-26 | 27-28 | 29-30 | ≥ 31 | D.B./W.B. | Dry Bulb | Wet Bulb | Dew Point |
| -14/-15      |                                     |     |     |     |     |      |       |       |       |       |       |       |       |       |       |       |      |           |          |          | 2         |
| -16/-17      |                                     |     |     |     |     |      |       |       |       |       |       |       |       |       |       |       |      |           |          |          | 5         |
| -18/-19      |                                     |     |     |     |     |      |       |       |       |       |       |       |       |       |       |       |      |           |          |          | 5         |
| -20/-21      |                                     |     |     |     |     |      |       |       |       |       |       |       |       |       |       |       |      |           |          |          | 2         |
| -24/-25      |                                     |     |     |     |     |      |       |       |       |       |       |       |       |       |       |       |      |           |          |          | 1         |
| TOTAL        |                                     |     | 1.2 | 2.4 | 6.0 | 1.2  | 3.6   | 6.0   | 17.9  | 28.6  | 27.4  | 6.0   |       |       |       |       |      |           | 84       |          | 84        |
|              |                                     |     |     |     |     |      |       |       |       |       |       |       |       |       |       |       |      | 84        |          | 84       |           |
|              |                                     |     |     |     |     |      |       |       |       |       |       |       |       |       |       |       |      |           |          |          |           |
|              |                                     |     |     |     |     |      |       |       |       |       |       |       |       |       |       |       |      |           |          |          |           |
|              |                                     |     |     |     |     |      |       |       |       |       |       |       |       |       |       |       |      |           |          |          |           |
|              |                                     |     |     |     |     |      |       |       |       |       |       |       |       |       |       |       |      |           |          |          |           |
|              |                                     |     |     |     |     |      |       |       |       |       |       |       |       |       |       |       |      |           |          |          |           |
|              |                                     |     |     |     |     |      |       |       |       |       |       |       |       |       |       |       |      |           |          |          |           |
|              |                                     |     |     |     |     |      |       |       |       |       |       |       |       |       |       |       |      |           |          |          |           |
|              |                                     |     |     |     |     |      |       |       |       |       |       |       |       |       |       |       |      |           |          |          |           |
|              |                                     |     |     |     |     |      |       |       |       |       |       |       |       |       |       |       |      |           |          |          |           |
|              |                                     |     |     |     |     |      |       |       |       |       |       |       |       |       |       |       |      |           |          |          |           |
|              |                                     |     |     |     |     |      |       |       |       |       |       |       |       |       |       |       |      |           |          |          |           |
|              |                                     |     |     |     |     |      |       |       |       |       |       |       |       |       |       |       |      |           |          |          |           |
|              |                                     |     |     |     |     |      |       |       |       |       |       |       |       |       |       |       |      |           |          |          |           |
|              |                                     |     |     |     |     |      |       |       |       |       |       |       |       |       |       |       |      |           |          |          |           |
|              |                                     |     |     |     |     |      |       |       |       |       |       |       |       |       |       |       |      |           |          |          |           |
|              |                                     |     |     |     |     |      |       |       |       |       |       |       |       |       |       |       |      |           |          |          |           |
|              |                                     |     |     |     |     |      |       |       |       |       |       |       |       |       |       |       |      |           |          |          |           |
|              |                                     |     |     |     |     |      |       |       |       |       |       |       |       |       |       |       |      |           |          |          |           |
|              |                                     |     |     |     |     |      |       |       |       |       |       |       |       |       |       |       |      |           |          |          |           |
|              |                                     |     |     |     |     |      |       |       |       |       |       |       |       |       |       |       |      |           |          |          |           |
|              |                                     |     |     |     |     |      |       |       |       |       |       |       |       |       |       |       |      |           |          |          |           |
|              |                                     |     |     |     |     |      |       |       |       |       |       |       |       |       |       |       |      |           |          |          |           |
|              |                                     |     |     |     |     |      |       |       |       |       |       |       |       |       |       |       |      |           |          |          |           |
|              |                                     |     |     |     |     |      |       |       |       |       |       |       |       |       |       |       |      |           |          |          |           |
|              |                                     |     |     |     |     |      |       |       |       |       |       |       |       |       |       |       |      |           |          |          |           |
|              |                                     |     |     |     |     |      |       |       |       |       |       |       |       |       |       |       |      |           |          |          |           |
|              |                                     |     |     |     |     |      |       |       |       |       |       |       |       |       |       |       |      |           |          |          |           |
|              |                                     |     |     |     |     |      |       |       |       |       |       |       |       |       |       |       |      |           |          |          |           |
|              |                                     |     |     |     |     |      |       |       |       |       |       |       |       |       |       |       |      |           |          |          |           |
|              |                                     |     |     |     |     |      |       |       |       |       |       |       |       |       |       |       |      |           |          |          |           |
|              |                                     |     |     |     |     |      |       |       |       |       |       |       |       |       |       |       |      |           |          |          |           |
|              |                                     |     |     |     |     |      |       |       |       |       |       |       |       |       |       |       |      |           |          |          |           |
|              |                                     |     |     |     |     |      |       |       |       |       |       |       |       |       |       |       |      |           |          |          |           |
|              |                                     |     |     |     |     |      |       |       |       |       |       |       |       |       |       |       |      |           |          |          |           |
|              |                                     |     |     |     |     |      |       |       |       |       |       |       |       |       |       |       |      |           |          |          |           |
|              |                                     |     |     |     |     |      |       |       |       |       |       |       |       |       |       |       |      |           |          |          |           |
|              |                                     |     |     |     |     |      |       |       |       |       |       |       |       |       |       |       |      |           |          |          |           |
|              |                                     |     |     |     |     |      |       |       |       |       |       |       |       |       |       |       |      |           |          |          |           |
|              |                                     |     |     |     |     |      |       |       |       |       |       |       |       |       |       |       |      |           |          |          |           |
|              |                                     |     |     |     |     |      |       |       |       |       |       |       |       |       |       |       |      |           |          |          |           |
|              |                                     |     |     |     |     |      |       |       |       |       |       |       |       |       |       |       |      |           |          |          |           |
|              |                                     |     |     |     |     |      |       |       |       |       |       |       |       |       |       |       |      |           |          |          |           |
|              |                                     |     |     |     |     |      |       |       |       |       |       |       |       |       |       |       |      |           |          |          |           |
|              |                                     |     |     |     |     |      |       |       |       |       |       |       |       |       |       |       |      |           |          |          |           |
|              |                                     |     |     |     |     |      |       |       |       |       |       |       |       |       |       |       |      |           |          |          |           |
|              |                                     |     |     |     |     |      |       |       |       |       |       |       |       |       |       |       |      |           |          |          |           |
|              |                                     |     |     |     |     |      |       |       |       |       |       |       |       |       |       |       |      |           |          |          |           |
|              |                                     |     |     |     |     |      |       |       |       |       |       |       |       |       |       |       |      |           |          |          |           |
|              |                                     |     |     |     |     |      |       |       |       |       |       |       |       |       |       |       |      |           |          |          |           |
|              |                                     |     |     |     |     |      |       |       |       |       |       |       |       |       |       |       |      |           | </       |          |           |

## PSYCHROMETRIC SUMMARY

JUL  
MONTH

0900-1100  
HOURS (L, S, T.)

USAFETAC  
FORM  
MAY 64  
0-26-5 (OL A)  
REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

## PSYCHROMETRIC SUMMARY

|         |                                  |    |
|---------|----------------------------------|----|
| 0001    | MAUI OPTICAL SITE HI NORTH TOWER | 79 |
| STATION | STATION NAME                     |    |

YEARS

JUL  
MONTH

PAGE 2 0900-1100  
HOURS (L. S. T.)

## PSYCHROMETRIC SUMMARY

**YEARS**

JUL  
MONTH

PAGE 1 1200-1400  
HOURS (L. S. T.)

| Temp.<br>(F) | WET BULB TEMPERATURE DEPRESSION (F) |            |           |            |          |                                    |       |       |       |       |       |       |       |       |       |       |      |           |          |          | TOTAL     |  | TOTAL |  |
|--------------|-------------------------------------|------------|-----------|------------|----------|------------------------------------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|------|-----------|----------|----------|-----------|--|-------|--|
|              | 0                                   | 1-2        | 3-4       | 5-6        | 7-8      | 9-10                               | 11-12 | 13-14 | 15-16 | 17-18 | 19-20 | 21-22 | 23-24 | 25-26 | 27-28 | 29-30 | ≥ 31 | D.B./W.B. | Dry Bulb | Wet Bulb | Dew Point |  |       |  |
| 66/ 65       |                                     |            |           |            |          |                                    |       |       |       |       |       |       |       | 1.1   |       |       |      | 1         | 1        |          |           |  |       |  |
| 64/ 63       |                                     |            | 1.1       |            |          |                                    |       |       |       |       |       |       |       | 1.1   |       |       |      | 2         | 2        |          |           |  |       |  |
| 62/ 61       |                                     |            |           |            |          |                                    |       |       |       |       |       |       | 3.4   |       |       |       |      | 3         | 3        |          |           |  |       |  |
| 60/ 59       |                                     |            |           |            |          |                                    |       |       |       |       |       | 2.3   | 2.3   |       |       |       |      | 4         | 4        | 1        |           |  |       |  |
| 58/ 57       |                                     |            |           |            |          |                                    |       | 3.4   |       |       |       | 4.6   |       |       |       |       |      | 7         | 7        |          |           |  |       |  |
| 56/ 55       |                                     |            |           |            |          | 1.1                                |       | 1.1   | 1.1   | 2.3   | 8.7   | 8.7   |       |       |       |       |      | 19        | 19       |          | 1         |  |       |  |
| 54/ 53       |                                     |            |           |            |          | 1.1                                | 5.7   |       | 1.1   | 3.4   | 9.2   | 4.6   |       |       |       |       |      | 22        | 22       |          |           |  |       |  |
| 52/ 51       |                                     |            |           | 1.1        |          | 3.4                                | 1.1   | 2.3   | 3.4   | 1.1   | 4.6   |       |       |       |       |       |      | 15        | 15       |          |           |  |       |  |
| 50/ 49       |                                     |            |           | 1.1        |          | 4.6                                | 1.1   |       |       |       | 1.1   |       |       |       |       |       |      | 7         | 7        |          |           |  |       |  |
| 48/ 47       |                                     |            |           |            | 1.1      |                                    |       |       |       | 5.7   |       |       |       |       |       |       |      | 6         | 6        |          |           |  |       |  |
| 46/ 45       |                                     |            |           |            |          |                                    |       |       |       |       |       |       |       |       |       |       |      |           |          | 2        |           |  |       |  |
| 44/ 43       |                                     |            |           |            |          |                                    |       |       | 1.1   |       |       |       |       |       |       |       |      | 1         | 1        | 8        |           |  |       |  |
| 42/ 41       |                                     |            |           |            |          |                                    |       |       |       |       |       |       |       |       |       |       |      |           |          | 7        |           |  |       |  |
| 40/ 39       |                                     |            |           |            |          |                                    |       |       |       |       |       |       |       |       |       |       |      |           |          | 10       | 1         |  |       |  |
| 38/ 37       |                                     |            |           |            |          |                                    |       |       |       |       |       |       |       |       |       |       |      |           |          | 14       | 2         |  |       |  |
| 36/ 35       |                                     |            |           |            |          |                                    |       |       |       |       |       |       |       |       |       |       |      |           |          | 20       |           |  |       |  |
| 34/ 33       |                                     |            |           |            |          |                                    |       |       |       |       |       |       |       |       |       |       |      |           |          | 14       |           |  |       |  |
| 32/ 31       |                                     |            |           |            |          |                                    |       |       |       |       |       |       |       |       |       |       |      |           |          | 4        | 6         |  |       |  |
| 30/ 29       |                                     |            |           |            |          |                                    |       |       |       |       |       |       |       |       |       |       |      |           |          | 6        | 10        |  |       |  |
| 28/ 27       |                                     |            |           |            |          |                                    |       |       |       |       |       |       |       |       |       |       |      |           |          | 1        | 2         |  |       |  |
| 26/ 25       |                                     |            |           |            |          |                                    |       |       |       |       |       |       |       |       |       |       |      |           |          | 1        | 2         |  |       |  |
| 24/ 23       |                                     |            |           |            |          |                                    |       |       |       |       |       |       |       |       |       |       |      |           |          | 1        | 1         |  |       |  |
| 22/ 21       |                                     |            |           |            |          |                                    |       |       |       |       |       |       |       |       |       |       |      |           |          | 2        | 2         |  |       |  |
| 20/ 19       |                                     |            |           |            |          |                                    |       |       |       |       |       |       |       |       |       |       |      |           |          | 1        | 1         |  |       |  |
| 18/ 15       |                                     |            |           |            |          |                                    |       |       |       |       |       |       |       |       |       |       |      |           |          | 1        | 1         |  |       |  |
| 16/ 13       |                                     |            |           |            |          |                                    |       |       |       |       |       |       |       |       |       |       |      |           |          | 1        | 3         |  |       |  |
| 14/ 11       |                                     |            |           |            |          |                                    |       |       |       |       |       |       |       |       |       |       |      |           |          | 3        | 3         |  |       |  |
| 12/ 9        |                                     |            |           |            |          |                                    |       |       |       |       |       |       |       |       |       |       |      |           |          | 3        | 3         |  |       |  |
| 10/ 7        |                                     |            |           |            |          |                                    |       |       |       |       |       |       |       |       |       |       |      |           |          | 2        | 2         |  |       |  |
| 8/ 5         |                                     |            |           |            |          |                                    |       |       |       |       |       |       |       |       |       |       |      |           |          | 3        | 3         |  |       |  |
| 6/ 1         |                                     |            |           |            |          |                                    |       |       |       |       |       |       |       |       |       |       |      |           |          | 2        | 2         |  |       |  |
| 4/ -1        |                                     |            |           |            |          |                                    |       |       |       |       |       |       |       |       |       |       |      |           |          | 2        | 2         |  |       |  |
| 2/ -3        |                                     |            |           |            |          |                                    |       |       |       |       |       |       |       |       |       |       |      |           |          | 5        | 5         |  |       |  |
| -4/ -5       |                                     |            |           |            |          |                                    |       |       |       |       |       |       |       |       |       |       |      |           |          | 5        | 5         |  |       |  |
| Element (X)  | $\Sigma X^2$                        | $\Sigma X$ | $\bar{X}$ | $\sigma_x$ | No. Obs. | Mean No. of Hours with Temperature |       |       |       |       |       |       |       |       |       |       |      |           |          |          |           |  |       |  |
| Rel. Hum.    |                                     |            |           |            |          | ≤ 0 F                              |       |       |       |       |       |       |       |       |       |       |      |           |          |          |           |  |       |  |

## PSYCHROMETRIC SUMMARY

\_\_\_\_\_  
YEARS

\_\_\_\_\_  
MONTH

PAGE ? 1200-1400  
HOURS (L. S. T.)

[illegible]

FORM 0-26-5 (OL A)  
REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

**USAFETAC**

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

## PSYCHROMETRIC SUMMARY

0001  
STATION

MAUI OPTICAL SITE HI NORTH TOWER  
STATION NAME

79  
YEARS

JUL  
MONTH

PAGE 1 1500-1700  
HOURS (L. S. T.)

| Temp.<br>(F) | WET BULB TEMPERATURE DEPRESSION (F) |            |           |            |          |                                    |        |        |        |        |        |       |       |       |       | TOTAL<br>D.B./W.B. | TOTAL |          |          |           |
|--------------|-------------------------------------|------------|-----------|------------|----------|------------------------------------|--------|--------|--------|--------|--------|-------|-------|-------|-------|--------------------|-------|----------|----------|-----------|
|              | 0                                   | 1-2        | 3-4       | 5-6        | 7-8      | 9-10                               | 11-12  | 13-14  | 15-16  | 17-18  | 19-20  | 21-22 | 23-24 | 25-26 | 27-28 | 29-30              | ≥ 31  | Dry Bulb | Wet Bulb | Dew Point |
| 76/ 75       |                                     |            |           |            |          |                                    |        |        |        |        |        |       |       |       |       | 1.1                |       | 1        | 1        |           |
| 64/ 63       |                                     |            |           |            |          |                                    |        |        |        |        |        |       |       | 1.1   |       |                    |       | 1        | 1        |           |
| 61/ 59       |                                     |            |           |            |          |                                    |        |        |        |        |        |       | 2.3   |       |       |                    |       | 2        | 2        |           |
| 59/ 57       |                                     |            |           |            |          |                                    |        |        |        |        | 1.1    | 4.6   |       |       |       |                    |       | 5        | 5        |           |
| 56/ 55       |                                     |            |           |            |          |                                    |        | 1.1    | 1.1    | 2.3    | 2.3    | 10.3  |       |       |       |                    |       | 15       | 15       |           |
| 54/ 53       |                                     |            |           |            |          |                                    | 3.4    | 2.3    | 3.4    | 2.3    | 10.3   | 3.4   |       |       |       |                    |       | 22       | 22       |           |
| 52/ 51       |                                     |            |           |            |          | 1.1                                | 3.4    | 1.1    | 2.3    | 3.4    | 4.6    |       |       |       |       |                    |       | 14       | 14       |           |
| 5 / 49       |                                     |            |           |            |          | 2.3                                | 2.3    | 2.3    | 2.3    | 5.7    | 5.7    |       |       |       |       |                    |       | 18       | 18       |           |
| 48/ 47       |                                     |            |           |            | 1.1      | 1.1                                | 1.1    | 1.1    |        | 2.3    |        |       |       |       |       |                    |       | 6        | 6        |           |
| 46/ 45       |                                     |            |           |            |          |                                    |        |        |        |        |        |       |       |       |       |                    |       |          |          |           |
| 44/ 43       |                                     |            |           |            |          |                                    |        |        | 1.1    |        |        |       |       |       |       |                    |       | 1        | 1        |           |
| 42/ 41       |                                     |            |           |            |          |                                    |        |        | 2.3    |        |        |       |       |       |       |                    |       | 2        | 2        |           |
| 4 / 39       |                                     |            |           |            |          |                                    |        |        |        |        |        |       |       |       |       |                    |       |          |          | 14        |
| 36/ 37       |                                     |            |           |            |          |                                    |        |        |        |        |        |       |       |       |       |                    |       |          |          | 8         |
| 36/ 35       |                                     |            |           |            |          |                                    |        |        |        |        |        |       |       |       |       |                    |       |          |          | 18        |
| 34/ 33       |                                     |            |           |            |          |                                    |        |        |        |        |        |       |       |       |       |                    |       |          |          | 22        |
| 32/ 31       |                                     |            |           |            |          |                                    |        |        |        |        |        |       |       |       |       |                    |       |          |          | 12        |
| 7 / 29       |                                     |            |           |            |          |                                    |        |        |        |        |        |       |       |       |       |                    |       |          |          | 2         |
| 28/ 27       |                                     |            |           |            |          |                                    |        |        |        |        |        |       |       |       |       |                    |       |          |          | 2         |
| 26/ 25       |                                     |            |           |            |          |                                    |        |        |        |        |        |       |       |       |       |                    |       |          |          | 1         |
| 24/ 23       |                                     |            |           |            |          |                                    |        |        |        |        |        |       |       |       |       |                    |       |          |          |           |
| 22/ 21       |                                     |            |           |            |          |                                    |        |        |        |        |        |       |       |       |       |                    |       |          |          | 4         |
| 2 / 19       |                                     |            |           |            |          |                                    |        |        |        |        |        |       |       |       |       |                    |       |          |          | 1         |
| 18/ 17       |                                     |            |           |            |          |                                    |        |        |        |        |        |       |       |       |       |                    |       |          |          | 2         |
| 16/ 15       |                                     |            |           |            |          |                                    |        |        |        |        |        |       |       |       |       |                    |       |          |          | 3         |
| 14/ 13       |                                     |            |           |            |          |                                    |        |        |        |        |        |       |       |       |       |                    |       |          |          | 3         |
| / 9          |                                     |            |           |            |          |                                    |        |        |        |        |        |       |       |       |       |                    |       |          |          | 4         |
| 6/ 7         |                                     |            |           |            |          |                                    |        |        |        |        |        |       |       |       |       |                    |       |          |          | 2         |
| 6/ 5         |                                     |            |           |            |          |                                    |        |        |        |        |        |       |       |       |       |                    |       |          |          | 4         |
| 4/ 3         |                                     |            |           |            |          |                                    |        |        |        |        |        |       |       |       |       |                    |       |          |          | 1         |
| / -1         |                                     |            |           |            |          |                                    |        |        |        |        |        |       |       |       |       |                    |       |          |          | 3         |
| -2/ -3       |                                     |            |           |            |          |                                    |        |        |        |        |        |       |       |       |       |                    |       |          |          | 4         |
| -4/ -5       |                                     |            |           |            |          |                                    |        |        |        |        |        |       |       |       |       |                    |       |          |          | 3         |
| -6/ -7       |                                     |            |           |            |          |                                    |        |        |        |        |        |       |       |       |       |                    |       |          |          | 8         |
| Element (X)  | $\Sigma X^2$                        | $\Sigma X$ | $\bar{X}$ | $\sigma_x$ | No. Obs. | Mean No. of Hours with Temperature |        |        |        |        |        | Total |       |       |       |                    |       |          |          |           |
| Rel. Hum.    |                                     |            |           |            |          | ≤ 0 F                              | ≤ 32 F | ≥ 67 F | ≥ 73 F | ≥ 80 F | ≥ 93 F |       |       |       |       |                    |       |          |          |           |
| Dry Bulb     |                                     |            |           |            |          |                                    |        |        |        |        |        |       |       |       |       |                    |       |          |          |           |
| Wet Bulb     |                                     |            |           |            |          |                                    |        |        |        |        |        |       |       |       |       |                    |       |          |          |           |
| Dew Point    |                                     |            |           |            |          |                                    |        |        |        |        |        |       |       |       |       |                    |       |          |          |           |

## PSYCHROMETRIC SUMMARY

|         |                                  |    |
|---------|----------------------------------|----|
| 07001   | MAUI OPTICAL SITE HI NORTH TOWER | 79 |
| STATION | STATION NAME                     |    |

**JUL**  
**MONTH**

PAGE 2 1500-1700  
HOURS (L. S. T.)

[illegible]

## PSYCHROMETRIC SUMMARY

     MONTH

HOURS (L. S. T.)

**USAFETAC**  
FORM  
MIL 64  
**0-26.5 (OL A)**  
REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE



## PSYCHROMETRIC SUMMARY

**YEARS**

JUL  
MONTH

PAGE 2 1800-2000  
HOURS (L. S. T.)

[illegible]

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

# PSYCHROMETRIC SUMMARY

0001 MAUI OPTICAL SITE HI NORTH TOWER 79

STATION

STATION NAME

YEARS

JUL  
MONTH

PAGE 1 2100-2300  
HOURS (L. S. T.)

| Temp.<br>(F) | WET BULB TEMPERATURE DEPRESSION (F) |     |     |     |     |      |       |       |       |       |          |       |                                    |        |        |        |        |        |  |  |       | TOTAL<br>D.B./W.B. | TOTAL |    |  |
|--------------|-------------------------------------|-----|-----|-----|-----|------|-------|-------|-------|-------|----------|-------|------------------------------------|--------|--------|--------|--------|--------|--|--|-------|--------------------|-------|----|--|
|              | 0                                   | 1-2 | 3-4 | 5-6 | 7-8 | 9-10 | 11-12 | 13-14 | 15-16 | 17-18 | 19-20    | 21-22 | 23-24                              | 25-26  | 27-28  | 29-30  | ≥ 31   | TOTAL  |  |  | TOTAL |                    |       |    |  |
| 56/ 55       |                                     |     |     |     |     |      |       |       |       |       | 1.2      | 1.2   |                                    |        |        |        |        | 2      |  |  | 2     |                    |       |    |  |
| 54/ 53       |                                     |     |     |     |     |      |       |       |       |       | 3.6      |       |                                    |        |        |        |        | 3      |  |  | 3     |                    |       |    |  |
| 52/ 51       |                                     |     |     |     |     |      |       |       |       | 1.2   | 1.2      |       |                                    |        |        |        |        | 11     |  |  | 11    |                    |       |    |  |
| 5 / 49       |                                     |     |     |     |     | 1.2  |       | 1.2   | 3.6   | 1.2   | 10.8     |       |                                    |        |        |        |        | 15     |  |  | 15    |                    |       |    |  |
| 48/ 47       |                                     |     |     |     |     | 1.2  | 1.2   | 3.6   | 3.6   | 16.9  |          |       |                                    |        |        |        |        | 22     |  |  | 22    |                    |       |    |  |
| 46/ 45       |                                     |     |     |     | 3.6 |      | 1.2   | 3.6   | 4.8   |       |          |       |                                    |        |        |        |        | 11     |  |  | 11    |                    |       |    |  |
| 44/ 43       |                                     |     |     | 1.2 | 1.2 | 1.2  | 2.4   |       | 1.2   | 2.4   |          |       |                                    |        |        |        |        | 8      |  |  | 8     |                    |       |    |  |
| 42/ 41       |                                     |     |     |     | 1.2 | 1.2  |       |       | 4.8   |       |          |       |                                    |        |        |        |        | 6      |  |  | 6     |                    |       |    |  |
| 4 / 39       |                                     |     |     |     |     | 1.2  |       |       | 2.4   |       |          |       |                                    |        |        |        |        | 3      |  |  | 3     |                    |       | 2  |  |
| 36/ 37       |                                     |     |     |     |     |      |       |       |       |       |          |       |                                    |        |        |        |        |        |  |  |       |                    |       | 4  |  |
| 30/ 35       |                                     |     |     |     |     | 1.2  |       |       |       |       |          |       |                                    |        |        |        |        | 1      |  |  | 1     |                    |       | 10 |  |
| 34/ 33       |                                     |     |     |     |     |      |       |       |       |       |          |       |                                    |        |        |        |        |        |  |  |       |                    |       | 13 |  |
| 32/ 31       |                                     |     |     |     | 1.2 |      |       |       |       |       |          |       |                                    |        |        |        |        | 1      |  |  | 1     |                    |       | 27 |  |
| 3 / 29       |                                     |     |     |     |     |      |       |       |       |       |          |       |                                    |        |        |        |        |        |  |  |       |                    |       | 16 |  |
| 28/ 27       |                                     |     |     |     |     |      |       |       |       |       |          |       |                                    |        |        |        |        |        |  |  |       |                    |       | 3  |  |
| 26/ 25       |                                     |     |     |     |     |      |       |       |       |       |          |       |                                    |        |        |        |        |        |  |  |       |                    |       | 8  |  |
| 24/ 23       |                                     |     |     |     |     |      |       |       |       |       |          |       |                                    |        |        |        |        |        |  |  |       |                    |       | 1  |  |
| 2 / 19       |                                     |     |     |     |     |      |       |       |       |       |          |       |                                    |        |        |        |        |        |  |  |       |                    |       | 1  |  |
| 19/ 17       |                                     |     |     |     |     |      |       |       |       |       |          |       |                                    |        |        |        |        |        |  |  |       |                    |       | 4  |  |
| 16/ 15       |                                     |     |     |     |     |      |       |       |       |       |          |       |                                    |        |        |        |        |        |  |  |       |                    |       | 3  |  |
| 14/ 13       |                                     |     |     |     |     |      |       |       |       |       |          |       |                                    |        |        |        |        |        |  |  |       |                    |       | 4  |  |
| 12/ 11       |                                     |     |     |     |     |      |       |       |       |       |          |       |                                    |        |        |        |        |        |  |  |       |                    |       | 1  |  |
| / 9          |                                     |     |     |     |     |      |       |       |       |       |          |       |                                    |        |        |        |        |        |  |  |       |                    |       | 1  |  |
| 8/ 7         |                                     |     |     |     |     |      |       |       |       |       |          |       |                                    |        |        |        |        |        |  |  |       |                    |       | 3  |  |
| 6/ 5         |                                     |     |     |     |     |      |       |       |       |       |          |       |                                    |        |        |        |        |        |  |  |       |                    |       | 5  |  |
| 4/ 3         |                                     |     |     |     |     |      |       |       |       |       |          |       |                                    |        |        |        |        |        |  |  |       |                    |       | 3  |  |
| / 1          |                                     |     |     |     |     |      |       |       |       |       |          |       |                                    |        |        |        |        |        |  |  |       |                    |       | 1  |  |
| / -1         |                                     |     |     |     |     |      |       |       |       |       |          |       |                                    |        |        |        |        |        |  |  |       |                    |       | 3  |  |
| -4/ -5       |                                     |     |     |     |     |      |       |       |       |       |          |       |                                    |        |        |        |        |        |  |  |       |                    |       | 2  |  |
| -6/ -7       |                                     |     |     |     |     |      |       |       |       |       |          |       |                                    |        |        |        |        |        |  |  |       |                    |       | 1  |  |
| -8/ -9       |                                     |     |     |     |     |      |       |       |       |       |          |       |                                    |        |        |        |        |        |  |  |       |                    |       | 2  |  |
| / -11        |                                     |     |     |     |     |      |       |       |       |       |          |       |                                    |        |        |        |        |        |  |  |       |                    |       | 6  |  |
| -1 / -13     |                                     |     |     |     |     |      |       |       |       |       |          |       |                                    |        |        |        |        |        |  |  |       |                    |       | 7  |  |
| -14/ -15     |                                     |     |     |     |     |      |       |       |       |       |          |       |                                    |        |        |        |        |        |  |  |       |                    |       | 7  |  |
| Element (X)  | Σ X <sup>2</sup>                    |     | Σ X |     | Σ   |      | Σ     |       | Σ     |       | No. Obs. |       | Mean No. of Hours with Temperature |        |        |        |        |        |  |  |       |                    | Total |    |  |
| Rel. Hum.    |                                     |     |     |     |     |      |       |       |       |       |          |       | ≤ 0 F                              | ≤ 32 F | ≥ 67 F | ≥ 73 F | ≥ 80 F | ≥ 93 F |  |  |       |                    |       |    |  |
| Dry Bulb     |                                     |     |     |     |     |      |       |       |       |       |          |       |                                    |        |        |        |        |        |  |  |       |                    |       |    |  |
| Wet Bulb     |                                     |     |     |     |     |      |       |       |       |       |          |       |                                    |        |        |        |        |        |  |  |       |                    |       |    |  |
| Dew Point    |                                     |     |     |     |     |      |       |       |       |       |          |       |                                    |        |        |        |        |        |  |  |       |                    |       |    |  |

FORM 0-26-5 (OL A)  
USAFETAC  
JUL 44  
REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

4275

## PSYCHROMETRIC SUMMARY

**YEARS**

JUL  
MONTH

PAGE 2      2100-2300  
HOURS (L. S. T.)

[illegible]

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIP WEATHER SERVICE/MAC

# PSYCHROMETRIC SUMMARY

0000 MAUI OPTICAL SITE HI NORTH TOWER 79

STATION

STATION NAME

YEARS

JUL  
MONTH

PAGE 1

ALL  
HOURS (L. S. T.)

| Temp.<br>(F) | WET BULB TEMPERATURE DEPRESSION (F) |     |     |     |          |                                    |        |        |        |        |        |       |       |       |       |       |     |                    |                   |                   |                    |  |  |  |  |  |  |  |
|--------------|-------------------------------------|-----|-----|-----|----------|------------------------------------|--------|--------|--------|--------|--------|-------|-------|-------|-------|-------|-----|--------------------|-------------------|-------------------|--------------------|--|--|--|--|--|--|--|
|              | 0                                   | 1-2 | 3-4 | 5-6 | 7-8      | 9-10                               | 11-12  | 13-14  | 15-16  | 17-18  | 19-20  | 21-22 | 23-24 | 25-26 | 27-28 | 29-30 | ≥31 | TOTAL<br>D.B./W.B. | TOTAL<br>Dry Bulb | TOTAL<br>Wet Bulb | TOTAL<br>Dew Point |  |  |  |  |  |  |  |
| 76/ 75       |                                     |     |     |     |          |                                    |        |        |        |        |        |       |       |       |       |       |     | 1                  | 1                 |                   |                    |  |  |  |  |  |  |  |
| 66/ 65       |                                     |     |     |     |          |                                    |        |        |        |        |        |       |       |       |       |       |     | 1                  | 1                 |                   |                    |  |  |  |  |  |  |  |
| 64/ 63       |                                     |     | .1  |     |          |                                    |        |        |        |        |        |       |       |       | .3    |       |     | 3                  | 3                 |                   |                    |  |  |  |  |  |  |  |
| 62/ 61       |                                     |     |     |     |          |                                    |        |        |        |        |        |       |       | .7    |       |       |     | 5                  | 5                 |                   |                    |  |  |  |  |  |  |  |
| 60/ 59       |                                     |     |     |     |          |                                    |        |        |        |        |        |       | .3    | .9    |       |       |     | 8                  | 8                 | 1                 |                    |  |  |  |  |  |  |  |
| 58/ 57       |                                     |     |     |     |          |                                    |        | .6     |        | .1     | .1     | 3.1   |       |       |       |       |     | 27                 | 27                |                   |                    |  |  |  |  |  |  |  |
| 56/ 55       |                                     |     |     |     |          | .3                                 | .1     | .3     | .3     | 1.0    | 1.9    | 3.7   |       |       |       |       |     | 51                 | 51                |                   | 1                  |  |  |  |  |  |  |  |
| 54/ 53       |                                     |     |     |     |          | .1                                 | 1.6    | .6     | .7     | 1.3    | 6.7    | 1.6   |       |       |       |       |     | 86                 | 86                |                   |                    |  |  |  |  |  |  |  |
| 52/ 51       |                                     |     |     | .1  |          | .7                                 | .9     | .6     | 2.3    | 2.7    | 9.8    |       |       |       |       |       |     | 115                | 115               |                   |                    |  |  |  |  |  |  |  |
| 50/ 49       |                                     |     |     | .1  | .3       | 1.2                                | .6     | .7     | 2.1    | 5.8    | 6.8    |       |       |       |       |       |     | 119                | 119               |                   |                    |  |  |  |  |  |  |  |
| 48/ 47       |                                     |     |     |     | .7       | 1.5                                | 1.0    | 1.8    | 2.5    | 8.9    |        |       |       |       |       |       |     | 111                | 111               |                   |                    |  |  |  |  |  |  |  |
| 46/ 45       |                                     |     |     | .1  | 1.6      | .3                                 | .9     | 1.3    | 2.1    | 2.2    |        |       |       |       |       |       |     | 58                 | 58                | 4                 |                    |  |  |  |  |  |  |  |
| 44/ 43       |                                     |     |     | .9  | .9       | .9                                 | .4     | .4     | 2.8    | .7     |        |       |       |       |       |       |     | 48                 | 48                | 10                |                    |  |  |  |  |  |  |  |
| 42/ 41       |                                     |     | .1  | .1  | .4       | .4                                 | .1     | .1     | 2.9    |        |        |       |       |       |       |       |     | 27                 | 27                | 20                |                    |  |  |  |  |  |  |  |
| 40/ 39       |                                     |     | .1  | .1  |          | .3                                 |        | .3     | 1.7    |        |        |       |       |       |       |       |     | 13                 | 13                | 44                | 1                  |  |  |  |  |  |  |  |
| 38/ 37       |                                     |     |     |     |          |                                    |        | .3     |        |        |        |       |       |       |       |       |     | 1                  | 1                 | 60                | 2                  |  |  |  |  |  |  |  |
| 36/ 35       |                                     |     |     |     |          | .1                                 |        |        |        |        |        |       |       |       |       |       |     | 1                  | 1                 | 100               |                    |  |  |  |  |  |  |  |
| 34/ 33       |                                     |     |     |     |          |                                    |        |        |        |        |        |       |       |       |       |       |     |                    |                   | 136               | 8                  |  |  |  |  |  |  |  |
| 32/ 31       |                                     |     |     |     | .1       |                                    |        |        |        |        |        |       |       |       |       |       |     | 1                  | 1                 | 167               | 19                 |  |  |  |  |  |  |  |
| 30/ 29       |                                     |     |     |     |          |                                    |        |        |        |        |        |       |       |       |       |       |     |                    |                   | 74                | 25                 |  |  |  |  |  |  |  |
| 28/ 27       |                                     |     |     |     |          |                                    |        |        |        |        |        |       |       |       |       |       |     |                    |                   | 34                | 19                 |  |  |  |  |  |  |  |
| 26/ 25       |                                     |     |     |     |          |                                    |        |        |        |        |        |       |       |       |       |       |     |                    |                   | 25                | 17                 |  |  |  |  |  |  |  |
| 24/ 23       |                                     |     |     |     |          |                                    |        |        |        |        |        |       |       |       |       |       |     |                    |                   | 1                 | 12                 |  |  |  |  |  |  |  |
| 22/ 21       |                                     |     |     |     |          |                                    |        |        |        |        |        |       |       |       |       |       |     |                    |                   |                   | 6                  |  |  |  |  |  |  |  |
| 20/ 19       |                                     |     |     |     |          |                                    |        |        |        |        |        |       |       |       |       |       |     |                    |                   |                   | 11                 |  |  |  |  |  |  |  |
| 18/ 17       |                                     |     |     |     |          |                                    |        |        |        |        |        |       |       |       |       |       |     |                    |                   |                   | 17                 |  |  |  |  |  |  |  |
| 16/ 15       |                                     |     |     |     |          |                                    |        |        |        |        |        |       |       |       |       |       |     |                    |                   |                   | 14                 |  |  |  |  |  |  |  |
| 14/ 13       |                                     |     |     |     |          |                                    |        |        |        |        |        |       |       |       |       |       |     |                    |                   |                   | 20                 |  |  |  |  |  |  |  |
| 12/ 11       |                                     |     |     |     |          |                                    |        |        |        |        |        |       |       |       |       |       |     |                    |                   |                   | 19                 |  |  |  |  |  |  |  |
| 10/ 9        |                                     |     |     |     |          |                                    |        |        |        |        |        |       |       |       |       |       |     |                    |                   |                   | 15                 |  |  |  |  |  |  |  |
| 8/ 7         |                                     |     |     |     |          |                                    |        |        |        |        |        |       |       |       |       |       |     |                    |                   |                   | 21                 |  |  |  |  |  |  |  |
| 6/ 5         |                                     |     |     |     |          |                                    |        |        |        |        |        |       |       |       |       |       |     |                    |                   |                   | 19                 |  |  |  |  |  |  |  |
| 4/ 3         |                                     |     |     |     |          |                                    |        |        |        |        |        |       |       |       |       |       |     |                    |                   |                   | 19                 |  |  |  |  |  |  |  |
| 2/ 1         |                                     |     |     |     |          |                                    |        |        |        |        |        |       |       |       |       |       |     |                    |                   |                   | 14                 |  |  |  |  |  |  |  |
| Element (X)  | Σx'                                 | Σx  | Σ   | Σx  | No. Obs. | Mean No. of Hours with Temperature |        |        |        |        |        |       |       |       |       |       |     |                    |                   |                   |                    |  |  |  |  |  |  |  |
| Rel. Hum.    |                                     |     |     |     |          | ≤ 0 F                              | ≤ 32 F | ≥ 67 F | ≥ 73 F | ≥ 80 F | ≥ 93 F | Total |       |       |       |       |     |                    |                   |                   |                    |  |  |  |  |  |  |  |
| Dry Bulb     |                                     |     |     |     |          |                                    |        |        |        |        |        |       |       |       |       |       |     |                    |                   |                   |                    |  |  |  |  |  |  |  |
| Wet Bulb     |                                     |     |     |     |          |                                    |        |        |        |        |        |       |       |       |       |       |     |                    |                   |                   |                    |  |  |  |  |  |  |  |
| Dew Point    |                                     |     |     |     |          |                                    |        |        |        |        |        |       |       |       |       |       |     |                    |                   |                   |                    |  |  |  |  |  |  |  |

USAFETAC FORM 0-26-5 (OL A) JUL 84 REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

4876

## PSYCHROMETRIC SUMMARY |

**JUN**  
**MONTH**

**ALI**

**HOURS (L. S. T.)**

[illegible]

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

# PSYCHROMETRIC SUMMARY

0001  
STATION

MAUI OPTICAL SITE HI NORTH TOWER  
STATION NAME

79  
YEARS

YEARS

AUG  
MONTH

PAGE 1

0000-0200  
HOURS (L. S. T.)

| Temp.<br>(F) | WET BULB TEMPERATURE DEPRESSION (F) |     |            |     |          |      |            |       |          |       |                                    |        |        |        |        |        |      |       |  |  | TOTAL<br>D.B./W.B. | TOTAL    |           |  |
|--------------|-------------------------------------|-----|------------|-----|----------|------|------------|-------|----------|-------|------------------------------------|--------|--------|--------|--------|--------|------|-------|--|--|--------------------|----------|-----------|--|
|              | 0                                   | 1-2 | 3-4        | 5-6 | 7-8      | 9-10 | 11-12      | 13-14 | 15-16    | 17-18 | 19-20                              | 21-22  | 23-24  | 25-26  | 27-28  | 29-30  | ≥ 31 | TOTAL |  |  | Dry Bulb           | Wet Bulb | Dew Point |  |
| 64 / 63      |                                     |     |            |     |          |      |            |       |          |       |                                    |        | 2.5    |        |        |        |      | 2     |  |  | 2                  |          |           |  |
| 62 / 61      |                                     |     |            |     |          |      |            |       |          |       |                                    |        | 1.2    |        |        |        |      | 1     |  |  | 1                  |          |           |  |
| 60 / 59      |                                     |     |            |     |          |      |            | 1.2   |          |       |                                    | 2.5    | 2.5    |        |        |        |      | 5     |  |  | 5                  |          |           |  |
| 58 / 57      |                                     |     |            | 1.2 |          | 1.2  | 3.7        |       | 1.2      | 1.2   |                                    | 1.2    |        |        |        |        |      | 8     |  |  | 8                  |          |           |  |
| 56 / 55      |                                     |     | 1.2        | 2.5 |          |      | 1.2        |       |          |       | 1.2                                |        |        |        |        |        |      | 5     |  |  | 5                  |          |           |  |
| 54 / 53      |                                     |     |            |     |          | 1.2  | 1.2        |       | 1.2      | 2.5   | 2.5                                |        |        |        |        |        |      | 7     |  |  | 7                  |          |           |  |
| 52 / 51      |                                     |     |            |     | 1.2      | 1.2  |            | 1.2   | 1.2      | 3.7   | 7.4                                |        |        |        |        |        |      | 13    |  |  | 13                 |          | 4         |  |
| 50 / 49      |                                     |     |            |     | 2.5      | 1.2  | 4.9        | 4.9   | 2.5      | 2.5   |                                    |        |        |        |        |        |      | 15    |  |  | 15                 |          | 1         |  |
| 48 / 47      |                                     |     |            |     | 1.2      | 7.4  | 1.2        | 1.2   | 1.2      |       |                                    |        |        |        |        |        |      | 10    |  |  | 10                 |          | 3         |  |
| 46 / 45      |                                     |     |            | 2.5 |          | 2.5  |            | 1.2   |          |       |                                    |        |        |        |        |        |      | 5     |  |  | 5                  |          | 3         |  |
| 44 / 43      |                                     |     |            |     | 2.5      |      | 1.2        | 2.5   | 1.2      |       |                                    |        |        |        |        |        |      | 6     |  |  | 6                  |          | 3         |  |
| 42 / 41      |                                     |     |            | 1.2 | 1.2      | 1.2  | 1.2        |       |          |       |                                    |        |        |        |        |        |      | 4     |  |  | 4                  |          | 6         |  |
| 40 / 39      |                                     |     |            |     |          |      |            |       |          |       |                                    |        |        |        |        |        |      |       |  |  |                    | 7        | 1         |  |
| 38 / 37      |                                     |     |            |     |          |      |            |       |          |       |                                    |        |        |        |        |        |      |       |  |  |                    | 17       | 1         |  |
| 36 / 35      |                                     |     |            |     |          |      |            |       |          |       |                                    |        |        |        |        |        |      |       |  |  |                    | 16       | 1         |  |
| 34 / 33      |                                     |     |            |     |          |      |            |       |          |       |                                    |        |        |        |        |        |      |       |  |  |                    | 12       | 6         |  |
| 32 / 31      |                                     |     |            |     |          |      |            |       |          |       |                                    |        |        |        |        |        |      |       |  |  |                    | 8        | 6         |  |
| 30 / 29      |                                     |     |            |     |          |      |            |       |          |       |                                    |        |        |        |        |        |      |       |  |  |                    | 2        | 1         |  |
| 28 / 27      |                                     |     |            |     |          |      |            |       |          |       |                                    |        |        |        |        |        |      |       |  |  |                    | 1        | 1         |  |
| 26 / 25      |                                     |     |            |     |          |      |            |       |          |       |                                    |        |        |        |        |        |      |       |  |  |                    |          | 8         |  |
| 24 / 23      |                                     |     |            |     |          |      |            |       |          |       |                                    |        |        |        |        |        |      |       |  |  |                    |          | 3         |  |
| 22 / 21      |                                     |     |            |     |          |      |            |       |          |       |                                    |        |        |        |        |        |      |       |  |  |                    |          | 6         |  |
| 20 / 19      |                                     |     |            |     |          |      |            |       |          |       |                                    |        |        |        |        |        |      |       |  |  |                    |          | 3         |  |
| 18 / 17      |                                     |     |            |     |          |      |            |       |          |       |                                    |        |        |        |        |        |      |       |  |  |                    |          | 4         |  |
| 16 / 15      |                                     |     |            |     |          |      |            |       |          |       |                                    |        |        |        |        |        |      |       |  |  |                    |          | 3         |  |
| 14 / 13      |                                     |     |            |     |          |      |            |       |          |       |                                    |        |        |        |        |        |      |       |  |  |                    |          | 2         |  |
| 12 / 11      |                                     |     |            |     |          |      |            |       |          |       |                                    |        |        |        |        |        |      |       |  |  |                    |          | 3         |  |
| 10 / 9       |                                     |     |            |     |          |      |            |       |          |       |                                    |        |        |        |        |        |      |       |  |  |                    |          | 2         |  |
| 8 / 7        |                                     |     |            |     |          |      |            |       |          |       |                                    |        |        |        |        |        |      |       |  |  |                    |          | 4         |  |
| 6 / 5        |                                     |     |            |     |          |      |            |       |          |       |                                    |        |        |        |        |        |      |       |  |  |                    |          | 3         |  |
| 4 / 3        |                                     |     |            |     |          |      |            |       |          |       |                                    |        |        |        |        |        |      |       |  |  |                    |          | 2         |  |
| 2 / 1        |                                     |     |            |     |          |      |            |       |          |       |                                    |        |        |        |        |        |      |       |  |  |                    |          | 1         |  |
| 0 / -1       |                                     |     |            |     |          |      |            |       |          |       |                                    |        |        |        |        |        |      |       |  |  |                    |          | 2         |  |
| -2 / -2      |                                     |     |            |     |          |      |            |       |          |       |                                    |        |        |        |        |        |      |       |  |  |                    |          | 1         |  |
| -4 / -5      |                                     |     |            |     |          |      |            |       |          |       |                                    |        |        |        |        |        |      |       |  |  |                    |          | 5         |  |
| Element (X)  | $\Sigma X^2$                        |     | $\Sigma X$ |     | $\Sigma$ |      | $\sigma_x$ |       | No. Obs. |       | Mean No. of Hours with Temperature |        |        |        |        |        |      |       |  |  | Total              |          |           |  |
| Rel. Hum.    |                                     |     |            |     |          |      |            |       |          |       | ≤ 0 F                              | ≤ 32 F | ≥ 67 F | ≥ 73 F | ≥ 80 F | ≥ 93 F |      |       |  |  |                    |          |           |  |
| Dry Bulb     |                                     |     |            |     |          |      |            |       |          |       |                                    |        |        |        |        |        |      |       |  |  |                    |          |           |  |
| Wet Bulb     |                                     |     |            |     |          |      |            |       |          |       |                                    |        |        |        |        |        |      |       |  |  |                    |          |           |  |
| Dew Point    |                                     |     |            |     |          |      |            |       |          |       |                                    |        |        |        |        |        |      |       |  |  |                    |          |           |  |

USAFETAC FORM 0-26-5 (OLA) JUL 64 REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

## PSYCHROMETRIC SUMMARY

**YEARS**

AUG  
MONTH

PAGE 2 0000-0200  
HOURS (L. S. T.)

| Temp.<br>(F) | WET BULB TEMPERATURE DEPRESSION (F) |     |     |     |     |      |       |       |       |       |       |       |       |       |       |       |      | TOTAL     | TOTAL    |          |           |    |
|--------------|-------------------------------------|-----|-----|-----|-----|------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|------|-----------|----------|----------|-----------|----|
|              | 0                                   | 1-2 | 3-4 | 5-6 | 7-8 | 9-10 | 11-12 | 13-14 | 15-16 | 17-18 | 19-20 | 21-22 | 23-24 | 25-26 | 27-28 | 29-30 | ≥ 31 | D.B./W.B. | Dry Bulb | Wet Bulb | Dew Point |    |
| -6/-7        |                                     |     |     |     |     |      |       |       |       |       |       |       |       |       |       |       |      |           |          |          |           | 5  |
| -7/-11       |                                     |     |     |     |     |      |       |       |       |       |       |       |       |       |       |       |      |           |          |          |           | 1  |
| -11/-13      |                                     |     |     |     |     |      |       |       |       |       |       |       |       |       |       |       |      |           |          |          |           | 3  |
| TOTAL        |                                     |     | 1.2 | 7.4 | 8.6 | 16.0 | 14.8  | 12.3  | 8.6   | 9.9   | 11.1  | 3.7   | 6.2   |       |       |       |      |           |          | 81       |           | 81 |
|              |                                     |     |     |     |     |      |       |       |       |       |       |       |       |       |       |       |      |           | 81       |          | 81        |    |
|              |                                     |     |     |     |     |      |       |       |       |       |       |       |       |       |       |       |      |           |          |          |           |    |
|              |                                     |     |     |     |     |      |       |       |       |       |       |       |       |       |       |       |      |           |          |          |           |    |
|              |                                     |     |     |     |     |      |       |       |       |       |       |       |       |       |       |       |      |           |          |          |           |    |
|              |                                     |     |     |     |     |      |       |       |       |       |       |       |       |       |       |       |      |           |          |          |           |    |
|              |                                     |     |     |     |     |      |       |       |       |       |       |       |       |       |       |       |      |           |          |          |           |    |
|              |                                     |     |     |     |     |      |       |       |       |       |       |       |       |       |       |       |      |           |          |          |           |    |
|              |                                     |     |     |     |     |      |       |       |       |       |       |       |       |       |       |       |      |           |          |          |           |    |
|              |                                     |     |     |     |     |      |       |       |       |       |       |       |       |       |       |       |      |           |          |          |           |    |
|              |                                     |     |     |     |     |      |       |       |       |       |       |       |       |       |       |       |      |           |          |          |           |    |
|              |                                     |     |     |     |     |      |       |       |       |       |       |       |       |       |       |       |      |           |          |          |           |    |
|              |                                     |     |     |     |     |      |       |       |       |       |       |       |       |       |       |       |      |           |          |          |           |    |
|              |                                     |     |     |     |     |      |       |       |       |       |       |       |       |       |       |       |      |           |          |          |           |    |
|              |                                     |     |     |     |     |      |       |       |       |       |       |       |       |       |       |       |      |           |          |          |           |    |
|              |                                     |     |     |     |     |      |       |       |       |       |       |       |       |       |       |       |      |           |          |          |           |    |
|              |                                     |     |     |     |     |      |       |       |       |       |       |       |       |       |       |       |      |           |          |          |           |    |
|              |                                     |     |     |     |     |      |       |       |       |       |       |       |       |       |       |       |      |           |          |          |           |    |
|              |                                     |     |     |     |     |      |       |       |       |       |       |       |       |       |       |       |      |           |          |          |           |    |
|              |                                     |     |     |     |     |      |       |       |       |       |       |       |       |       |       |       |      |           |          |          |           |    |
|              |                                     |     |     |     |     |      |       |       |       |       |       |       |       |       |       |       |      |           |          |          |           |    |
|              |                                     |     |     |     |     |      |       |       |       |       |       |       |       |       |       |       |      |           |          |          |           |    |
|              |                                     |     |     |     |     |      |       |       |       |       |       |       |       |       |       |       |      |           |          |          |           |    |
|              |                                     |     |     |     |     |      |       |       |       |       |       |       |       |       |       |       |      |           |          |          |           |    |
|              |                                     |     |     |     |     |      |       |       |       |       |       |       |       |       |       |       |      |           |          |          |           |    |
|              |                                     |     |     |     |     |      |       |       |       |       |       |       |       |       |       |       |      |           |          |          |           |    |
|              |                                     |     |     |     |     |      |       |       |       |       |       |       |       |       |       |       |      |           |          |          |           |    |
|              |                                     |     |     |     |     |      |       |       |       |       |       |       |       |       |       |       |      |           |          |          |           |    |
|              |                                     |     |     |     |     |      |       |       |       |       |       |       |       |       |       |       |      |           |          |          |           |    |
|              |                                     |     |     |     |     |      |       |       |       |       |       |       |       |       |       |       |      |           |          |          |           |    |
|              |                                     |     |     |     |     |      |       |       |       |       |       |       |       |       |       |       |      |           |          |          |           |    |
|              |                                     |     |     |     |     |      |       |       |       |       |       |       |       |       |       |       |      |           |          |          |           |    |
|              |                                     |     |     |     |     |      |       |       |       |       |       |       |       |       |       |       |      |           |          |          |           |    |
|              |                                     |     |     |     |     |      |       |       |       |       |       |       |       |       |       |       |      |           |          |          |           |    |
|              |                                     |     |     |     |     |      |       |       |       |       |       |       |       |       |       |       |      |           |          |          |           |    |
|              |                                     |     |     |     |     |      |       |       |       |       |       |       |       |       |       |       |      |           |          |          |           |    |
|              |                                     |     |     |     |     |      |       |       |       |       |       |       |       |       |       |       |      |           |          |          |           |    |
|              |                                     |     |     |     |     |      |       |       |       |       |       |       |       |       |       |       |      |           |          |          |           |    |
|              |                                     |     |     |     |     |      |       |       |       |       |       |       |       |       |       |       |      |           |          |          |           |    |
|              |                                     |     |     |     |     |      |       |       |       |       |       |       |       |       |       |       |      |           |          |          |           |    |
|              |                                     |     |     |     |     |      |       |       |       |       |       |       |       |       |       |       |      |           |          |          |           |    |
|              |                                     |     |     |     |     |      |       |       |       |       |       |       |       |       |       |       |      |           |          |          |           |    |
|              |                                     |     |     |     |     |      |       |       |       |       |       |       |       |       |       |       |      |           |          |          |           |    |
|              |                                     |     |     |     |     |      |       |       |       |       |       |       |       |       |       |       |      |           |          |          |           |    |
|              |                                     |     |     |     |     |      |       |       |       |       |       |       |       |       |       |       |      |           |          |          |           |    |
|              |                                     |     |     |     |     |      |       |       |       |       |       |       |       |       |       |       |      |           |          |          |           |    |
|              |                                     |     |     |     |     |      |       |       |       |       |       |       |       |       |       |       |      |           |          |          |           |    |
|              |                                     |     |     |     |     |      |       |       |       |       |       |       |       |       |       |       |      |           |          |          |           |    |
|              |                                     |     |     |     |     |      |       |       |       |       |       |       |       |       |       |       |      |           |          |          |           |    |
|              |                                     |     |     |     |     |      |       |       |       |       |       |       |       |       |       |       |      |           |          |          |           |    |
|              |                                     |     |     |     |     |      |       |       |       |       |       |       |       |       |       |       |      |           |          |          |           |    |
|              |                                     |     |     |     |     |      |       |       |       |       |       |       |       |       |       |       |      |           |          |          |           |    |
|              |                                     |     |     |     |     |      |       |       |       |       |       |       |       |       |       |       |      |           |          |          |           |    |
|              |                                     |     |     |     |     |      |       |       |       |       | </    |       |       |       |       |       |      |           |          |          |           |    |





## PSYCHROMETRIC SUMMARY

\_\_\_\_\_  
YEARS

\_\_\_\_\_  
AUG  
MONTH

PAGE 2 0300-0500  
HOURS (L. S. T.)

[illegible]

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

# PSYCHROMETRIC SUMMARY

0001 MAUI OPTICAL SITE HI NORTH TOWER 79

YEARS

AUG  
MONTH

PAGE 1 3600-0800  
HOURS (L. S. T.)

| Temp.<br>(F) | WET BULB TEMPERATURE DEPRESSION (F) |     |     |     |     |      |       |       |       |       |          |       |                                    |        |        |        |        |           |          |          | TOTAL     | TOTAL |       |   |
|--------------|-------------------------------------|-----|-----|-----|-----|------|-------|-------|-------|-------|----------|-------|------------------------------------|--------|--------|--------|--------|-----------|----------|----------|-----------|-------|-------|---|
|              | 0                                   | 1-2 | 3-4 | 5-6 | 7-8 | 9-10 | 11-12 | 13-14 | 15-16 | 17-18 | 19-20    | 21-22 | 23-24                              | 25-26  | 27-28  | 29-30  | ≥ 31   | D.B./W.B. | Dry Bulb | Wet Bulb | Dew Point |       |       |   |
| 62/ 61       |                                     |     |     |     |     |      |       |       |       |       |          | 1.2   | 3.7                                |        |        |        |        | 4         | 4        |          |           |       |       |   |
| 61/ 59       |                                     |     |     |     |     | 3.7  |       |       |       |       |          | 2.5   | 1.2                                |        |        |        |        | 6         | 6        |          |           |       |       |   |
| 60/ 57       |                                     |     |     | 1.2 | 1.2 |      | 1.2   |       | 1.2   | 3.7   |          | 3.7   |                                    |        |        |        |        | 10        | 10       |          |           |       |       |   |
| 59/ 55       |                                     |     |     | 2.5 |     |      |       | 1.2   | 1.2   | 2.5   | 1.2      | 3.7   |                                    |        |        |        |        | 10        | 10       |          |           |       |       |   |
| 58/ 53       |                                     |     |     |     |     | 3.7  | 2.5   | 2.5   | 1.2   | 3.7   | 2.5      | 2.5   |                                    |        |        |        |        | 15        | 15       |          |           |       |       |   |
| 57/ 51       |                                     |     |     |     |     | 1.2  | 2.5   | 1.2   | 2.5   | 4.9   | 1.2      |       |                                    |        |        |        |        | 11        | 11       |          |           |       |       |   |
| 56/ 49       |                                     |     |     |     | 1.2 | 1.2  | 3.7   | 3.7   | 3.7   | 2.5   |          |       |                                    |        |        |        |        | 13        | 13       |          |           |       |       |   |
| 55/ 47       |                                     |     |     |     |     | 2.5  | 1.2   |       |       |       |          |       |                                    |        |        |        |        | 3         | 3        |          |           |       |       | 1 |
| 54/ 45       |                                     |     |     |     | 1.2 | 2.5  | 2.5   | 1.2   | 1.2   |       |          |       |                                    |        |        |        |        | 7         | 7        |          |           |       |       | 3 |
| 54/ 43       |                                     |     |     |     |     |      |       | 1.2   |       |       |          |       |                                    |        |        |        |        | 1         | 1        |          |           |       |       | 1 |
| 52/ 41       |                                     |     |     |     |     |      | 1.2   |       |       |       |          |       |                                    |        |        |        |        | 1         | 1        |          |           |       |       | 2 |
| 51/ 39       |                                     |     |     |     |     |      |       |       |       |       |          |       |                                    |        |        |        |        |           |          |          |           |       |       |   |
| 50/ 37       |                                     |     |     |     |     |      |       |       |       |       |          |       |                                    |        |        |        |        |           |          |          |           |       |       |   |
| 49/ 35       |                                     |     |     |     |     |      |       |       |       |       |          |       |                                    |        |        |        |        |           |          |          |           |       |       |   |
| 48/ 33       |                                     |     |     |     |     |      |       |       |       |       |          |       |                                    |        |        |        |        |           |          |          |           |       |       |   |
| 47/ 31       |                                     |     |     |     |     |      |       |       |       |       |          |       |                                    |        |        |        |        |           |          |          |           |       |       |   |
| 46/ 29       |                                     |     |     |     |     |      |       |       |       |       |          |       |                                    |        |        |        |        |           |          |          |           |       |       |   |
| 45/ 27       |                                     |     |     |     |     |      |       |       |       |       |          |       |                                    |        |        |        |        |           |          |          |           |       |       |   |
| 44/ 25       |                                     |     |     |     |     |      |       |       |       |       |          |       |                                    |        |        |        |        |           |          |          |           |       |       |   |
| 43/ 23       |                                     |     |     |     |     |      |       |       |       |       |          |       |                                    |        |        |        |        |           |          |          |           |       |       |   |
| 42/ 21       |                                     |     |     |     |     |      |       |       |       |       |          |       |                                    |        |        |        |        |           |          |          |           |       |       |   |
| 41/ 19       |                                     |     |     |     |     |      |       |       |       |       |          |       |                                    |        |        |        |        |           |          |          |           |       |       |   |
| 40/ 17       |                                     |     |     |     |     |      |       |       |       |       |          |       |                                    |        |        |        |        |           |          |          |           |       |       |   |
| 39/ 15       |                                     |     |     |     |     |      |       |       |       |       |          |       |                                    |        |        |        |        |           |          |          |           |       |       |   |
| 38/ 13       |                                     |     |     |     |     |      |       |       |       |       |          |       |                                    |        |        |        |        |           |          |          |           |       |       |   |
| 37/ 11       |                                     |     |     |     |     |      |       |       |       |       |          |       |                                    |        |        |        |        |           |          |          |           |       |       |   |
| 36/ 9        |                                     |     |     |     |     |      |       |       |       |       |          |       |                                    |        |        |        |        |           |          |          |           |       |       |   |
| 35/ 7        |                                     |     |     |     |     |      |       |       |       |       |          |       |                                    |        |        |        |        |           |          |          |           |       |       |   |
| 34/ 5        |                                     |     |     |     |     |      |       |       |       |       |          |       |                                    |        |        |        |        |           |          |          |           |       |       |   |
| 33/ 3        |                                     |     |     |     |     |      |       |       |       |       |          |       |                                    |        |        |        |        |           |          |          |           |       |       |   |
| 32/ 1        |                                     |     |     |     |     |      |       |       |       |       |          |       |                                    |        |        |        |        |           |          |          |           |       |       |   |
| 31/ -1       |                                     |     |     |     |     |      |       |       |       |       |          |       |                                    |        |        |        |        |           |          |          |           |       |       |   |
| 30/ -3       |                                     |     |     |     |     |      |       |       |       |       |          |       |                                    |        |        |        |        |           |          |          |           |       |       |   |
| 29/ -5       |                                     |     |     |     |     |      |       |       |       |       |          |       |                                    |        |        |        |        |           |          |          |           |       |       |   |
| 28/ -7       |                                     |     |     |     |     |      |       |       |       |       |          |       |                                    |        |        |        |        |           |          |          |           |       |       |   |
| 27/ -9       |                                     |     |     |     |     |      |       |       |       |       |          |       |                                    |        |        |        |        |           |          |          |           |       |       |   |
| 26/ -11      |                                     |     |     |     |     |      |       |       |       |       |          |       |                                    |        |        |        |        |           |          |          |           |       |       |   |
| Element (X)  | Σ X'                                |     | Σ X |     | Σ   |      | Σ     |       | Σ     |       | No. Obs. |       | Mean No. of Hours with Temperature |        |        |        |        |           |          |          |           |       | Total |   |
| Rel. Hum.    |                                     |     |     |     |     |      |       |       |       |       |          |       | ≤ 0 F                              | ≤ 32 F | ≥ 67 F | ≥ 73 F | ≥ 80 F | ≥ 93 F    |          |          |           |       |       |   |
| Dry Bulb     |                                     |     |     |     |     |      |       |       |       |       |          |       |                                    |        |        |        |        |           |          |          |           |       |       |   |
| Wet Bulb     |                                     |     |     |     |     |      |       |       |       |       |          |       |                                    |        |        |        |        |           |          |          |           |       |       |   |
| Dew Point    |                                     |     |     |     |     |      |       |       |       |       |          |       |                                    |        |        |        |        |           |          |          |           |       |       |   |

USAFETAC FORM 0-26-5 (OL A) JUL 64 REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

## PSYCHROMETRIC SUMMARY

\_\_\_\_\_  
YEARS

\_\_\_\_\_  
AUG  
MONTH

PAGE 2 0600-0800  
HOURS (L. S. T.)

| Temp.<br>(F) | WET BULB TEMPERATURE DEPRESSION (F) |     |     |     |     |      |       |       |       |       |       |       |       |       |       |       |     | TOTAL     | TOTAL    |          |           |
|--------------|-------------------------------------|-----|-----|-----|-----|------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-----|-----------|----------|----------|-----------|
|              | 0                                   | 1-2 | 3-4 | 5-6 | 7-8 | 9-10 | 11-12 | 13-14 | 15-16 | 17-18 | 19-20 | 21-22 | 23-24 | 25-26 | 27-28 | 29-30 | >31 | D.B./W.B. | Dry Bulb | Wet Bulb | Dew Point |
| -1/-13       |                                     |     |     |     |     |      |       |       |       |       |       |       |       |       |       |       |     |           |          |          | 3         |
| -14/-15      |                                     |     |     |     |     |      |       |       |       |       |       |       |       |       |       |       |     |           |          |          | 1         |
| -16/-17      |                                     |     |     |     |     |      |       |       |       |       |       |       |       |       |       |       |     |           |          |          | 2         |
| TOTAL        |                                     |     |     | 3.7 | 3.7 | 14.8 | 14.8  | 11.1  | 11.1  | 17.3  | 4.9   | 13.6  | 4.9   |       |       |       |     | 81        | 81       | 81       | 81        |
|              |                                     |     |     |     |     |      |       |       |       |       |       |       |       |       |       |       |     | 81        |          | 81       |           |
|              |                                     |     |     |     |     |      |       |       |       |       |       |       |       |       |       |       |     |           |          |          |           |
|              |                                     |     |     |     |     |      |       |       |       |       |       |       |       |       |       |       |     |           |          |          |           |
|              |                                     |     |     |     |     |      |       |       |       |       |       |       |       |       |       |       |     |           |          |          |           |
|              |                                     |     |     |     |     |      |       |       |       |       |       |       |       |       |       |       |     |           |          |          |           |
|              |                                     |     |     |     |     |      |       |       |       |       |       |       |       |       |       |       |     |           |          |          |           |
|              |                                     |     |     |     |     |      |       |       |       |       |       |       |       |       |       |       |     |           |          |          |           |
|              |                                     |     |     |     |     |      |       |       |       |       |       |       |       |       |       |       |     |           |          |          |           |
|              |                                     |     |     |     |     |      |       |       |       |       |       |       |       |       |       |       |     |           |          |          |           |
|              |                                     |     |     |     |     |      |       |       |       |       |       |       |       |       |       |       |     |           |          |          |           |
|              |                                     |     |     |     |     |      |       |       |       |       |       |       |       |       |       |       |     |           |          |          |           |
|              |                                     |     |     |     |     |      |       |       |       |       |       |       |       |       |       |       |     |           |          |          |           |
|              |                                     |     |     |     |     |      |       |       |       |       |       |       |       |       |       |       |     |           |          |          |           |
|              |                                     |     |     |     |     |      |       |       |       |       |       |       |       |       |       |       |     |           |          |          |           |
|              |                                     |     |     |     |     |      |       |       |       |       |       |       |       |       |       |       |     |           |          |          |           |
|              |                                     |     |     |     |     |      |       |       |       |       |       |       |       |       |       |       |     |           |          |          |           |
|              |                                     |     |     |     |     |      |       |       |       |       |       |       |       |       |       |       |     |           |          |          |           |
|              |                                     |     |     |     |     |      |       |       |       |       |       |       |       |       |       |       |     |           |          |          |           |
|              |                                     |     |     |     |     |      |       |       |       |       |       |       |       |       |       |       |     |           |          |          |           |
|              |                                     |     |     |     |     |      |       |       |       |       |       |       |       |       |       |       |     |           |          |          |           |
|              |                                     |     |     |     |     |      |       |       |       |       |       |       |       |       |       |       |     |           |          |          |           |
|              |                                     |     |     |     |     |      |       |       |       |       |       |       |       |       |       |       |     |           |          |          |           |
|              |                                     |     |     |     |     |      |       |       |       |       |       |       |       |       |       |       |     |           |          |          |           |
|              |                                     |     |     |     |     |      |       |       |       |       |       |       |       |       |       |       |     |           |          |          |           |
|              |                                     |     |     |     |     |      |       |       |       |       |       |       |       |       |       |       |     |           |          |          |           |
|              |                                     |     |     |     |     |      |       |       |       |       |       |       |       |       |       |       |     |           |          |          |           |
|              |                                     |     |     |     |     |      |       |       |       |       |       |       |       |       |       |       |     |           |          |          |           |
|              |                                     |     |     |     |     |      |       |       |       |       |       |       |       |       |       |       |     |           |          |          |           |
|              |                                     |     |     |     |     |      |       |       |       |       |       |       |       |       |       |       |     |           |          |          |           |
|              |                                     |     |     |     |     |      |       |       |       |       |       |       |       |       |       |       |     |           |          |          |           |
|              |                                     |     |     |     |     |      |       |       |       |       |       |       |       |       |       |       |     |           |          |          |           |
|              |                                     |     |     |     |     |      |       |       |       |       |       |       |       |       |       |       |     |           |          |          |           |
|              |                                     |     |     |     |     |      |       |       |       |       |       |       |       |       |       |       |     |           |          |          |           |
|              |                                     |     |     |     |     |      |       |       |       |       |       |       |       |       |       |       |     |           |          |          |           |
|              |                                     |     |     |     |     |      |       |       |       |       |       |       |       |       |       |       |     |           |          |          |           |
|              |                                     |     |     |     |     |      |       |       |       |       |       |       |       |       |       |       |     |           |          |          |           |
|              |                                     |     |     |     |     |      |       |       |       |       |       |       |       |       |       |       |     |           |          |          |           |
|              |                                     |     |     |     |     |      |       |       |       |       |       |       |       |       |       |       |     |           |          |          |           |
|              |                                     |     |     |     |     |      |       |       |       |       |       |       |       |       |       |       |     |           |          |          |           |
|              |                                     |     |     |     |     |      |       |       |       |       |       |       |       |       |       |       |     |           |          |          |           |
|              |                                     |     |     |     |     |      |       |       |       |       |       |       |       |       |       |       |     |           |          |          |           |
|              |                                     |     |     |     |     |      |       |       |       |       |       |       |       |       |       |       |     |           |          |          |           |
|              |                                     |     |     |     |     |      |       |       |       |       |       |       |       |       |       |       |     |           |          |          |           |
|              |                                     |     |     |     |     |      |       |       |       |       |       |       |       |       |       |       |     |           |          |          |           |
|              |                                     |     |     |     |     |      |       |       |       |       |       |       |       |       |       |       |     |           |          |          |           |
|              |                                     |     |     |     |     |      |       |       |       |       |       |       |       |       |       |       |     |           |          |          |           |
|              |                                     |     |     |     |     |      |       |       |       |       |       |       |       |       |       |       |     |           |          |          |           |
|              |                                     |     |     |     |     |      |       |       |       |       |       |       |       |       |       |       |     |           |          |          |           |
|              |                                     |     |     |     |     |      |       |       |       |       |       |       |       |       |       |       |     |           |          |          |           |
|              |                                     |     |     |     |     |      |       |       |       |       |       |       |       |       |       |       |     |           |          |          |           |
|              |                                     |     |     |     |     |      |       |       |       |       |       |       |       |       |       |       |     |           |          |          |           |
|              |                                     |     |     |     |     |      |       |       |       |       |       |       |       |       |       |       |     |           |          |          |           |
|              |                                     |     |     |     |     |      |       |       |       |       |       |       |       |       |       |       |     |           |          |          |           |

USAFETAC  
FORM  
JUL 64  
0-26-5 (OL A)  
REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

## PSYCHROMETRIC SUMMARY

AUG  
MONTH

PAGE 1 0900-1100  
HOURS (L. S. T.)

[illegible]

## PSYCHROMETRIC SUMMARY

**YEARS**

AUG  
MONTH

PAGE 2 0900-1100  
HOURS (L. S. T.)

| Temp.<br>(F) | WET BULB TEMPERATURE DEPRESSION (F) |                |      |                |          |                                    |        |        |        |        |        |       |       |       |       |       |      |           |          |          |           |    |  |  |  |  |  |  | TOTAL | TOTAL |    |   |
|--------------|-------------------------------------|----------------|------|----------------|----------|------------------------------------|--------|--------|--------|--------|--------|-------|-------|-------|-------|-------|------|-----------|----------|----------|-----------|----|--|--|--|--|--|--|-------|-------|----|---|
|              | 0                                   | 1-2            | 3-4  | 5-6            | 7-8      | 9-10                               | 11-12  | 13-14  | 15-16  | 17-18  | 19-20  | 21-22 | 23-24 | 25-26 | 27-28 | 29-30 | = 31 | D.B./W.B. | Dry Bulb | Wet Bulb | Dew Point |    |  |  |  |  |  |  |       |       |    |   |
| / -          |                                     |                |      |                |          |                                    |        |        |        |        |        |       |       |       |       |       |      |           |          |          |           |    |  |  |  |  |  |  |       |       |    | 2 |
| - / -        |                                     |                |      |                |          |                                    |        |        |        |        |        |       |       |       |       |       |      |           |          |          |           |    |  |  |  |  |  |  |       |       |    | 1 |
| -f / -7      |                                     |                |      |                |          |                                    |        |        |        |        |        |       |       |       |       |       |      |           |          |          |           |    |  |  |  |  |  |  |       |       |    | 3 |
| -t / -9      |                                     |                |      |                |          |                                    |        |        |        |        |        |       |       |       |       |       |      |           |          |          |           |    |  |  |  |  |  |  |       |       |    | 2 |
| - / -11      |                                     |                |      |                |          |                                    |        |        |        |        |        |       |       |       |       |       |      |           |          |          |           |    |  |  |  |  |  |  |       |       |    | 2 |
| -l / -13     |                                     |                |      |                |          |                                    |        |        |        |        |        |       |       |       |       |       |      |           |          |          |           |    |  |  |  |  |  |  |       |       |    | 1 |
| -14/-15      |                                     |                |      |                |          |                                    |        |        |        |        |        |       |       |       |       |       |      |           |          |          |           |    |  |  |  |  |  |  |       |       |    | 2 |
| TOTAL        |                                     | 3.7            | 1.2  | 2.5            | 1.2      | 9.9                                | 13.6   | 13.6   | 16.0   | 11.1   | 3.7    | 12.3  | 8.6   | 2.5   |       |       |      |           |          |          |           | 81 |  |  |  |  |  |  |       |       | 81 |   |
|              |                                     |                |      |                |          |                                    |        |        |        |        |        |       |       |       |       |       |      |           |          |          |           | 81 |  |  |  |  |  |  |       |       | 81 |   |
| Element (X)  | Z <sub>x</sub> <sup>2</sup>         | Z <sub>X</sub> | X̄   | s <sub>a</sub> | No. Obs. | Mean No. of Hours with Temperature |        |        |        |        |        |       | Total |       |       |       |      |           |          |          |           |    |  |  |  |  |  |  |       |       |    |   |
| Rel. Hum.    | 107293                              | 2469           | 30.5 | 20.011         | 81       | ≤ 0 F                              | ≤ 32 F | ≥ 67 F | ≥ 73 F | ≥ 80 F | ≥ 93 F | Total |       |       |       |       |      |           |          |          |           |    |  |  |  |  |  |  |       |       |    |   |
| Dry Bulb     | 258094                              | 4548           | 56.1 | 5.844          | 81       |                                    |        | 3.4    | 2.3    |        |        | 93    |       |       |       |       |      |           |          |          |           |    |  |  |  |  |  |  |       |       |    |   |
| Wet Bulb     | 132783                              | 3329           | 41.1 | 4.954          | 81       |                                    |        |        |        |        |        | 93    |       |       |       |       |      |           |          |          |           |    |  |  |  |  |  |  |       |       |    |   |
| Dew Point    | 53642                               | 1644           | 27.3 | 15.935         | 81       | 12.0                               | 74.6   |        |        |        |        | 93    |       |       |       |       |      |           |          |          |           |    |  |  |  |  |  |  |       |       |    |   |

## PSYCHROMETRIC SUMMARY

**YEARS**

     AUG  
MONTH

PAGE 1 1200-1400  
HOURS (L. S. T.)

[illegible]

USAFETAC FORM 0-26-5 (01 A) REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

## PSYCHROMETRIC SUMMARY

\_\_\_\_\_  
YEARS

\_\_\_\_\_  
AUG  
MONTH

PAGE 2 1200-1400  
HOURS (L. S. T.)

[illegible]

FORM 0-26-5 (OLA)  
REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

**USAFETAC**

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

# PSYCHROMETRIC SUMMARY

STATION MAUI OPTICAL SITE HI NORTH TOWER 79

YEARS

AUG

MONTH

PAGE 1 1500-1700  
HOURS (L. S. T.)

| Temp.<br>(F) | WET BULB TEMPERATURE DEPRESSION (F) |     |     |     |     |      |       |       |       |       |          |       |                                    |        |        |        |        |           | TOTAL    | TOTAL    |           |  |
|--------------|-------------------------------------|-----|-----|-----|-----|------|-------|-------|-------|-------|----------|-------|------------------------------------|--------|--------|--------|--------|-----------|----------|----------|-----------|--|
|              | 0                                   | 1-2 | 3-4 | 5-6 | 7-8 | 9-10 | 11-12 | 13-14 | 15-16 | 17-18 | 19-20    | 21-22 | 23-24                              | 25-26  | 27-28  | 29-30  | ≥ 31   | D.B./W.B. | Dry Bulb | Wet Bulb | Dew Point |  |
| 7 / 59       |                                     |     |     |     |     |      |       |       |       |       |          |       | 1.2                                |        |        |        |        | 1         | 1        |          |           |  |
| 6 / 65       |                                     |     |     |     |     |      |       |       | 1.2   |       | 1.2      |       |                                    |        |        |        |        | 2         | 2        |          |           |  |
| 54 / 53      |                                     |     |     |     |     |      |       |       | 2.4   | 1.2   |          |       |                                    |        |        |        |        | 3         | 3        |          |           |  |
| 2 / 61       |                                     |     |     |     |     | 1.2  | 1.2   |       |       | 2.4   |          | 2.4   | 1.2                                |        |        |        |        | 7         | 7        |          |           |  |
| 4 / 59       |                                     |     |     | 1.2 |     | 1.2  |       | 1.2   | 2.4   | 3.6   |          | 2.4   |                                    |        |        |        |        | 10        | 10       |          |           |  |
| 55 / 57      |                                     |     | 1.2 | 1.2 | 1.2 |      |       | 1.2   | 2.4   | 2.4   | 2.4      | 2.4   |                                    |        |        |        |        | 12        | 12       |          |           |  |
| 55 / 55      |                                     |     |     |     |     |      |       | 13.1  | 4.8   |       | 3.6      | 1.2   |                                    |        |        |        |        | 19        | 19       |          |           |  |
| 44 / 53      |                                     |     |     |     |     | 2.4  | 7.1   | 3.6   |       |       |          |       |                                    |        |        |        |        | 11        | 11       |          |           |  |
| 2 / 51       |                                     |     |     |     | 3.6 | 1.2  | 4.8   | 2.4   | 2.4   |       |          |       |                                    |        |        |        |        | 12        | 12       |          |           |  |
| 5 / 47       |                                     |     |     |     | 2.4 |      | 1.2   |       |       |       |          |       |                                    |        |        |        |        | 3         | 3        |          | 2         |  |
| 48 / 47      |                                     |     |     |     |     | 2.4  | 1.2   |       |       |       |          |       |                                    |        |        |        |        | 3         | 3        |          | 1         |  |
| 46 / 45      |                                     |     |     |     |     |      | 1.2   |       |       |       |          |       |                                    |        |        |        |        | 1         | 1        |          | 1         |  |
| 44 / 43      |                                     |     |     |     |     |      |       |       |       |       |          |       |                                    |        |        |        |        |           |          | 16       | 2         |  |
| 2 / 41       |                                     |     |     |     |     |      |       |       |       |       |          |       |                                    |        |        |        |        |           |          | 20       | 1         |  |
| 4 / 39       |                                     |     |     |     |     |      |       |       |       |       |          |       |                                    |        |        |        |        |           |          | 16       |           |  |
| 31 / 37      |                                     |     |     |     |     |      |       |       |       |       |          |       |                                    |        |        |        |        |           |          | 8        | 3         |  |
| 75 / 35      |                                     |     |     |     |     |      |       |       |       |       |          |       |                                    |        |        |        |        |           |          | 5        | 3         |  |
| 34 / 33      |                                     |     |     |     |     |      |       |       |       |       |          |       |                                    |        |        |        |        |           |          | 2        | 4         |  |
| 77 / 31      |                                     |     |     |     |     |      |       |       |       |       |          |       |                                    |        |        |        |        |           |          |          | 2         |  |
| 7 / 29       |                                     |     |     |     |     |      |       |       |       |       |          |       |                                    |        |        |        |        |           |          |          | 11        |  |
| 28 / 27      |                                     |     |     |     |     |      |       |       |       |       |          |       |                                    |        |        |        |        |           |          |          | 13        |  |
| 25 / 25      |                                     |     |     |     |     |      |       |       |       |       |          |       |                                    |        |        |        |        |           |          |          | 7         |  |
| 21 / 23      |                                     |     |     |     |     |      |       |       |       |       |          |       |                                    |        |        |        |        |           |          |          | 7         |  |
| 2 / 21       |                                     |     |     |     |     |      |       |       |       |       |          |       |                                    |        |        |        |        |           |          |          | 4         |  |
| / 19         |                                     |     |     |     |     |      |       |       |       |       |          |       |                                    |        |        |        |        |           |          |          | 4         |  |
| 10 / 17      |                                     |     |     |     |     |      |       |       |       |       |          |       |                                    |        |        |        |        |           |          |          | 3         |  |
| 18 / 15      |                                     |     |     |     |     |      |       |       |       |       |          |       |                                    |        |        |        |        |           |          |          | 2         |  |
| 4 / 13       |                                     |     |     |     |     |      |       |       |       |       |          |       |                                    |        |        |        |        |           |          |          | 1         |  |
| 17 / 11      |                                     |     |     |     |     |      |       |       |       |       |          |       |                                    |        |        |        |        |           |          |          | 2         |  |
| / 9          |                                     |     |     |     |     |      |       |       |       |       |          |       |                                    |        |        |        |        |           |          |          | 1         |  |
| 8 / 7        |                                     |     |     |     |     |      |       |       |       |       |          |       |                                    |        |        |        |        |           |          |          | 1         |  |
| 6 / 5        |                                     |     |     |     |     |      |       |       |       |       |          |       |                                    |        |        |        |        |           |          |          | 4         |  |
| 4 / 3        |                                     |     |     |     |     |      |       |       |       |       |          |       |                                    |        |        |        |        |           |          |          | 1         |  |
| / 1          |                                     |     |     |     |     |      |       |       |       |       |          |       |                                    |        |        |        |        |           |          |          | 3         |  |
| Element (X)  | Σ X <sup>2</sup>                    |     | Σ X |     | Σ   |      | Σ     |       | Σ     |       | No. Obs. |       | Mean No. of Hours with Temperature |        |        |        |        |           | Total    |          |           |  |
| Rel. Hum.    |                                     |     |     |     |     |      |       |       |       |       |          |       | ≤ 0 F                              | ≤ 32 F | ≥ 67 F | ≥ 73 F | ≥ 80 F | ≥ 93 F    |          |          |           |  |
| Dry Bulb     |                                     |     |     |     |     |      |       |       |       |       |          |       |                                    |        |        |        |        |           |          |          |           |  |
| Wet Bulb     |                                     |     |     |     |     |      |       |       |       |       |          |       |                                    |        |        |        |        |           |          |          |           |  |
| Dew Point    |                                     |     |     |     |     |      |       |       |       |       |          |       |                                    |        |        |        |        |           |          |          |           |  |



## PSYCHROMETRIC SUMMARY

AUG  
MONTH

1500-1700  
HOURS (L. S. T.)

[illegible]

**USAFETAC**  
FORM  
JAN 64  
**0.26-5 (OLA)**  
REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

# PSYCHROMETRIC SUMMARY

0001 MAUI OPTICAL SITE HI NORTH TOWER 79 AUG  
STATION STATION NAME YEARS MONTH

PAGE 1 1800-2000  
HOURS (L. S. T.)

| Temp<br>(F) | WET BULB TEMPERATURE DEPRESSION (F) |     |            |     |           |      |            |       |          |       |                                    |        |        |        |        |        |       |           |          |          |           |  |  | TOTAL | TOTAL |  |  |
|-------------|-------------------------------------|-----|------------|-----|-----------|------|------------|-------|----------|-------|------------------------------------|--------|--------|--------|--------|--------|-------|-----------|----------|----------|-----------|--|--|-------|-------|--|--|
|             | 0                                   | 1-2 | 3-4        | 5-6 | 7-8       | 9-10 | 11-12      | 13-14 | 15-16    | 17-18 | 19-20                              | 21-22  | 23-24  | 25-26  | 27-28  | 29-30  | ≥ 31  | D.B./W.B. | Dry Bulb | Wet Bulb | Dew Point |  |  |       |       |  |  |
| 66/ 65      |                                     |     |            |     |           |      |            |       |          |       |                                    | 1.3    |        |        |        |        |       | 1         | 1        |          |           |  |  |       |       |  |  |
| 64/ 63      |                                     |     |            |     |           |      |            |       |          |       |                                    |        | 2.5    |        |        |        |       | 2         | 2        |          |           |  |  |       |       |  |  |
| 62/ 61      |                                     |     |            |     |           |      |            |       |          |       | 1.3                                |        |        |        |        |        |       | 1         | 1        |          |           |  |  |       |       |  |  |
| 60/ 59      |                                     |     |            |     |           |      |            |       |          | 3.8   | 1.3                                |        |        |        |        |        |       | 4         | 4        |          |           |  |  |       |       |  |  |
| 58/ 57      |                                     |     |            |     |           |      |            |       | 1.3      | 1.3   | 1.3                                | 2.5    |        |        |        |        |       | 5         | 5        |          |           |  |  |       |       |  |  |
| 56/ 55      |                                     |     |            |     |           |      | 2.5        | 2.5   | 1.3      | 2.5   |                                    | 1.3    |        |        |        |        |       | 6         | 6        |          |           |  |  |       |       |  |  |
| 54/ 53      |                                     |     |            | 5.1 |           |      | 1.3        | 1.3   | 2.5      |       | 3.8                                |        |        |        |        |        |       | 11        | 11       |          |           |  |  |       |       |  |  |
| 52/ 51      |                                     |     | 1.3        |     | 1.3       | 1.3  | 3.8        | 2.5   | 1.3      | 1.3   | 6.3                                |        |        |        |        |        |       | 15        | 15       |          |           |  |  |       |       |  |  |
| 50/ 49      |                                     |     |            |     |           | 3.8  | 2.5        | 2.5   | 1.3      |       |                                    |        |        |        |        |        |       | 8         | 8        | 4        |           |  |  |       |       |  |  |
| 48/ 47      |                                     |     |            | 1.3 | 2.5       | 3.8  |            | 1.3   |          |       |                                    |        |        |        |        |        |       | 7         | 7        | 1        |           |  |  |       |       |  |  |
| 46/ 45      |                                     |     |            | 1.3 | 3.8       | 3.8  | 2.5        |       |          |       |                                    |        |        |        |        |        |       | 9         | 9        |          | 3         |  |  |       |       |  |  |
| 44/ 43      |                                     |     |            |     | 1.3       | 1.3  |            | 2.5   | 1.3      |       |                                    |        |        |        |        |        |       | 5         | 5        | 5        | 1         |  |  |       |       |  |  |
| 42/ 41      |                                     |     |            | 1.3 |           |      |            | 1.3   |          |       |                                    |        |        |        |        |        |       | 2         | 2        | 12       | 1         |  |  |       |       |  |  |
| 40/ 39      |                                     |     |            | 1.3 |           |      |            |       |          |       |                                    |        |        |        |        |        |       | 1         | 1        | 15       |           |  |  |       |       |  |  |
| 38/ 37      |                                     |     |            |     |           |      |            |       |          |       |                                    |        |        |        |        |        |       |           |          | 16       |           |  |  |       |       |  |  |
| 36/ 35      |                                     |     |            |     |           |      |            |       |          |       |                                    |        |        |        |        |        |       |           |          | 13       | 2         |  |  |       |       |  |  |
| 34/ 33      |                                     |     |            |     |           |      |            |       |          |       |                                    |        |        |        |        |        |       |           |          | 10       | 1         |  |  |       |       |  |  |
| 32/ 31      |                                     |     |            |     |           |      |            |       |          |       |                                    |        |        |        |        |        |       |           |          | 4        | 6         |  |  |       |       |  |  |
| 30/ 29      |                                     |     |            |     |           |      |            |       |          |       |                                    |        |        |        |        |        |       |           |          | 1        | 5         |  |  |       |       |  |  |
| 28/ 27      |                                     |     |            |     |           |      |            |       |          |       |                                    |        |        |        |        |        |       |           |          | 1        | 9         |  |  |       |       |  |  |
| 26/ 25      |                                     |     |            |     |           |      |            |       |          |       |                                    |        |        |        |        |        |       |           |          |          | 6         |  |  |       |       |  |  |
| 24/ 23      |                                     |     |            |     |           |      |            |       |          |       |                                    |        |        |        |        |        |       |           |          |          | 1         |  |  |       |       |  |  |
| 22/ 21      |                                     |     |            |     |           |      |            |       |          |       |                                    |        |        |        |        |        |       |           |          |          | 6         |  |  |       |       |  |  |
| 20/ 19      |                                     |     |            |     |           |      |            |       |          |       |                                    |        |        |        |        |        |       |           |          |          | 6         |  |  |       |       |  |  |
| 18/ 17      |                                     |     |            |     |           |      |            |       |          |       |                                    |        |        |        |        |        |       |           |          |          | 4         |  |  |       |       |  |  |
| 16/ 15      |                                     |     |            |     |           |      |            |       |          |       |                                    |        |        |        |        |        |       |           |          |          | 4         |  |  |       |       |  |  |
| 14/ 13      |                                     |     |            |     |           |      |            |       |          |       |                                    |        |        |        |        |        |       |           |          |          | 4         |  |  |       |       |  |  |
| 12/ 11      |                                     |     |            |     |           |      |            |       |          |       |                                    |        |        |        |        |        |       |           |          |          | 2         |  |  |       |       |  |  |
| 10/ 9       |                                     |     |            |     |           |      |            |       |          |       |                                    |        |        |        |        |        |       |           |          |          | 3         |  |  |       |       |  |  |
| 8/ 7        |                                     |     |            |     |           |      |            |       |          |       |                                    |        |        |        |        |        |       |           |          |          | 2         |  |  |       |       |  |  |
| 6/ 5        |                                     |     |            |     |           |      |            |       |          |       |                                    |        |        |        |        |        |       |           |          |          | 1         |  |  |       |       |  |  |
| 4/ 3        |                                     |     |            |     |           |      |            |       |          |       |                                    |        |        |        |        |        |       |           |          |          | 4         |  |  |       |       |  |  |
| 2/ -3       |                                     |     |            |     |           |      |            |       |          |       |                                    |        |        |        |        |        |       |           |          |          | 4         |  |  |       |       |  |  |
| -4/ -5      |                                     |     |            |     |           |      |            |       |          |       |                                    |        |        |        |        |        |       |           |          |          | 2         |  |  |       |       |  |  |
| -6/ -7      |                                     |     |            |     |           |      |            |       |          |       |                                    |        |        |        |        |        |       |           |          |          | 2         |  |  |       |       |  |  |
| Element (X) | $\Sigma X^2$                        |     | $\Sigma X$ |     | $\bar{X}$ |      | $\sigma_x$ |       | No. Obs. |       | Mean No. of Hours with Temperature |        |        |        |        |        |       |           |          |          |           |  |  |       |       |  |  |
| Rel. Hum.   |                                     |     |            |     |           |      |            |       |          |       | ≤ 0 F                              | ≤ 32 F | ≥ 67 F | ≥ 73 F | ≥ 80 F | ≥ 93 F | Total |           |          |          |           |  |  |       |       |  |  |
| Dry Bulb    |                                     |     |            |     |           |      |            |       |          |       |                                    |        |        |        |        |        |       |           |          |          |           |  |  |       |       |  |  |
| Wet Bulb    |                                     |     |            |     |           |      |            |       |          |       |                                    |        |        |        |        |        |       |           |          |          |           |  |  |       |       |  |  |
| Dew Point   |                                     |     |            |     |           |      |            |       |          |       |                                    |        |        |        |        |        |       |           |          |          |           |  |  |       |       |  |  |

USAFETAC FORM 0-26-5 (OL A) REVISD PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE JUL 64

## PSYCHROMETRIC SUMMARY

AUG  
MONTH

PAGE 2 1800-2000  
HOURS (L. S. T.)

| Temp.<br>(F) | WET BULB TEMPERATURE DEPRESSION (F) |       |       |       |       |        |         |         |         |         |         |         |         |         |         |         |      | TOTAL     | TOTAL    |          |           |
|--------------|-------------------------------------|-------|-------|-------|-------|--------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|------|-----------|----------|----------|-----------|
|              | 0                                   | 1 - 2 | 3 - 4 | 5 - 6 | 7 - 8 | 9 - 10 | 11 - 12 | 13 - 14 | 15 - 16 | 17 - 18 | 19 - 20 | 21 - 22 | 23 - 24 | 25 - 26 | 27 - 28 | 29 - 30 | = 31 | D.B./W.B. | Dry Bulb | Wet Bulb | Dew Point |
| -8/-9        |                                     |       |       |       |       |        |         |         |         |         |         |         |         |         |         |         |      |           |          |          | 3         |
| -12/-13      |                                     |       |       |       |       |        |         |         |         |         |         |         |         |         |         |         |      |           |          |          | 1         |
| TOTAL        |                                     |       | 1.3   | 10.1  | 8.9   | 13.9   | 12.7    | 13.9    | 8.9     | 8.9     | 13.9    | 5.1     | 2.5     |         |         |         |      |           | 79       | 79       | 79        |
|              |                                     |       |       |       |       |        |         |         |         |         |         |         |         |         |         |         |      |           |          |          |           |
|              |                                     |       |       |       |       |        |         |         |         |         |         |         |         |         |         |         |      |           |          |          |           |
|              |                                     |       |       |       |       |        |         |         |         |         |         |         |         |         |         |         |      |           |          |          |           |
|              |                                     |       |       |       |       |        |         |         |         |         |         |         |         |         |         |         |      |           |          |          |           |
|              |                                     |       |       |       |       |        |         |         |         |         |         |         |         |         |         |         |      |           |          |          |           |
|              |                                     |       |       |       |       |        |         |         |         |         |         |         |         |         |         |         |      |           |          |          |           |
|              |                                     |       |       |       |       |        |         |         |         |         |         |         |         |         |         |         |      |           |          |          |           |
|              |                                     |       |       |       |       |        |         |         |         |         |         |         |         |         |         |         |      |           |          |          |           |
|              |                                     |       |       |       |       |        |         |         |         |         |         |         |         |         |         |         |      |           |          |          |           |
|              |                                     |       |       |       |       |        |         |         |         |         |         |         |         |         |         |         |      |           |          |          |           |
|              |                                     |       |       |       |       |        |         |         |         |         |         |         |         |         |         |         |      |           |          |          |           |
|              |                                     |       |       |       |       |        |         |         |         |         |         |         |         |         |         |         |      |           |          |          |           |
|              |                                     |       |       |       |       |        |         |         |         |         |         |         |         |         |         |         |      |           |          |          |           |
|              |                                     |       |       |       |       |        |         |         |         |         |         |         |         |         |         |         |      |           |          |          |           |
|              |                                     |       |       |       |       |        |         |         |         |         |         |         |         |         |         |         |      |           |          |          |           |
|              |                                     |       |       |       |       |        |         |         |         |         |         |         |         |         |         |         |      |           |          |          |           |
|              |                                     |       |       |       |       |        |         |         |         |         |         |         |         |         |         |         |      |           |          |          |           |
|              |                                     |       |       |       |       |        |         |         |         |         |         |         |         |         |         |         |      |           |          |          |           |
|              |                                     |       |       |       |       |        |         |         |         |         |         |         |         |         |         |         |      |           |          |          |           |
|              |                                     |       |       |       |       |        |         |         |         |         |         |         |         |         |         |         |      |           |          |          |           |
|              |                                     |       |       |       |       |        |         |         |         |         |         |         |         |         |         |         |      |           |          |          |           |
|              |                                     |       |       |       |       |        |         |         |         |         |         |         |         |         |         |         |      |           |          |          |           |
|              |                                     |       |       |       |       |        |         |         |         |         |         |         |         |         |         |         |      |           |          |          |           |
|              |                                     |       |       |       |       |        |         |         |         |         |         |         |         |         |         |         |      |           |          |          |           |
|              |                                     |       |       |       |       |        |         |         |         |         |         |         |         |         |         |         |      |           |          |          |           |
|              |                                     |       |       |       |       |        |         |         |         |         |         |         |         |         |         |         |      |           |          |          |           |
|              |                                     |       |       |       |       |        |         |         |         |         |         |         |         |         |         |         |      |           |          |          |           |
|              |                                     |       |       |       |       |        |         |         |         |         |         |         |         |         |         |         |      |           |          |          |           |
|              |                                     |       |       |       |       |        |         |         |         |         |         |         |         |         |         |         |      |           |          |          |           |
|              |                                     |       |       |       |       |        |         |         |         |         |         |         |         |         |         |         |      |           |          |          |           |
|              |                                     |       |       |       |       |        |         |         |         |         |         |         |         |         |         |         |      |           |          |          |           |
|              |                                     |       |       |       |       |        |         |         |         |         |         |         |         |         |         |         |      |           |          |          |           |
|              |                                     |       |       |       |       |        |         |         |         |         |         |         |         |         |         |         |      |           |          |          |           |
|              |                                     |       |       |       |       |        |         |         |         |         |         |         |         |         |         |         |      |           |          |          |           |
|              |                                     |       |       |       |       |        |         |         |         |         |         |         |         |         |         |         |      |           |          |          |           |
|              |                                     |       |       |       |       |        |         |         |         |         |         |         |         |         |         |         |      |           |          |          |           |
|              |                                     |       |       |       |       |        |         |         |         |         |         |         |         |         |         |         |      |           |          |          |           |
|              |                                     |       |       |       |       |        |         |         |         |         |         |         |         |         |         |         |      |           |          |          |           |
|              |                                     |       |       |       |       |        |         |         |         |         |         |         |         |         |         |         |      |           |          |          |           |
|              |                                     |       |       |       |       |        |         |         |         |         |         |         |         |         |         |         |      |           |          |          |           |
|              |                                     |       |       |       |       |        |         |         |         |         |         |         |         |         |         |         |      |           |          |          |           |
|              |                                     |       |       |       |       |        |         |         |         |         |         |         |         |         |         |         |      |           |          |          |           |
|              |                                     |       |       |       |       |        |         |         |         |         |         |         |         |         |         |         |      |           |          |          |           |
|              |                                     |       |       |       |       |        |         |         |         |         |         |         |         |         |         |         |      |           |          |          |           |
|              |                                     |       |       |       |       |        |         |         |         |         |         |         |         |         |         |         |      |           |          |          |           |
|              |                                     |       |       |       |       |        |         |         |         |         |         |         |         |         |         |         |      |           |          |          |           |
|              |                                     |       |       |       |       |        |         |         |         |         |         |         |         |         |         |         |      |           |          |          |           |
|              |                                     |       |       |       |       |        |         |         |         |         |         |         |         |         |         |         |      |           |          |          |           |
|              |                                     |       |       |       |       |        |         |         |         |         |         |         |         |         |         |         |      |           |          |          |           |
|              |                                     |       |       |       |       |        |         |         |         |         |         |         |         |         |         |         |      |           |          |          |           |
|              |                                     |       |       |       |       |        |         |         |         |         |         |         |         |         |         |         |      |           |          |          |           |
|              |                                     |       |       |       |       |        |         |         |         |         |         |         |         |         |         |         |      |           |          |          |           |
|              |                                     |       |       |       |       |        |         |         |         |         |         |         |         |         |         |         |      |           |          |          |           |
|              |                                     |       |       |       |       |        |         |         |         |         |         |         |         |         |         |         |      |           |          |          |           |
|              |                                     |       |       |       |       |        |         |         |         |         |         |         |         |         |         |         |      |           |          |          |           |
|              |                                     |       |       |       |       |        |         |         |         |         |         |         |         |         |         |         |      |           |          |          |           |
|              |                                     |       |       |       |       |        |         |         |         |         |         |         |         |         |         |         |      |           |          |          |           |

## PSYCHROMETRIC SUMMARY

**YEARS**

    AUG      
MONTH

PAGE 1 2100-2300  
HOURS (L. S. Y.)

| Temp.<br>(F) | WET BULB TEMPERATURE DEPRESSION (F) |     |            |     |           |      |            |       |          |       |                                    |       |       |       |       |       |      |           | TOTAL    | TOTAL    |           |  |
|--------------|-------------------------------------|-----|------------|-----|-----------|------|------------|-------|----------|-------|------------------------------------|-------|-------|-------|-------|-------|------|-----------|----------|----------|-----------|--|
|              | 0                                   | 1-2 | 3-4        | 5-6 | 7-8       | 9-10 | 11-12      | 13-14 | 15-16    | 17-18 | 19-20                              | 21-22 | 23-24 | 25-26 | 27-28 | 29-30 | ≥ 31 | D.B./W.B. | Dry Bulb | Wet Bulb | Dew Point |  |
| 6 / 59       |                                     |     |            |     |           |      |            |       |          |       |                                    | 1.3   |       |       |       |       |      | 1         | 1        |          |           |  |
| 58 / 57      |                                     |     |            | 2.5 |           |      |            |       | 3.8      |       | 2.5                                | 2.5   |       |       |       |       |      | 9         | 9        |          |           |  |
| 56 / 55      |                                     |     | 1.3        | 1.3 |           |      | 1.3        |       | 3.8      | 1.3   |                                    | 1.3   |       |       |       |       |      | 8         | 8        |          |           |  |
| 4 / 53       |                                     |     |            | 3.8 |           |      | 5.2        | 1.3   | 1.3      |       | 1.3                                |       |       |       |       |       |      | 10        | 10       |          |           |  |
| 52 / 51      |                                     |     |            |     |           |      | 1.3        |       | 3.8      | 2.5   | 11.4                               |       |       |       |       |       |      | 15        | 15       | 4        |           |  |
| 50 / 49      |                                     |     |            |     | 2.5       | 2.5  |            | 3.8   |          |       |                                    |       |       |       |       |       |      | 7         | 7        | 2        |           |  |
| 48 / 47      |                                     |     |            |     | 1.3       | 2.5  | 3.8        |       |          |       |                                    |       |       |       |       |       |      | 6         | 6        | 1        | 3         |  |
| 46 / 45      |                                     |     |            | 1.3 | 3.8       | 2.5  |            | 1.3   |          |       |                                    |       |       |       |       |       |      | 7         | 7        |          | 2         |  |
| 44 / 43      |                                     |     |            | 2.5 | 1.3       |      | 3.8        | 1.3   |          |       |                                    |       |       |       |       |       |      | 7         | 7        | 4        | 2         |  |
| 42 / 41      |                                     |     |            | 1.3 | 3.8       | 1.3  |            | 3.8   |          |       |                                    |       |       |       |       |       |      | 8         | 8        | 8        |           |  |
| 40 / 39      |                                     |     |            |     | 1.3       |      |            |       |          |       |                                    |       |       |       |       |       |      | 1         | 1        | 10       |           |  |
| 38 / 37      |                                     |     |            |     |           |      |            |       |          |       |                                    |       |       |       |       |       |      |           |          | 12       |           |  |
| 36 / 35      |                                     |     |            |     |           |      |            |       |          |       |                                    |       |       |       |       |       |      |           |          | 17       |           |  |
| 34 / 33      |                                     |     |            |     |           |      |            |       |          |       |                                    |       |       |       |       |       |      |           |          | 10       | 2         |  |
| 32 / 31      |                                     |     |            |     |           |      |            |       |          |       |                                    |       |       |       |       |       |      |           |          | 8        | 7         |  |
| 30 / 29      |                                     |     |            |     |           |      |            |       |          |       |                                    |       |       |       |       |       |      |           |          |          | 4         |  |
| 28 / 27      |                                     |     |            |     |           |      |            |       |          |       |                                    |       |       |       |       |       |      |           |          | 3        | 5         |  |
| 26 / 25      |                                     |     |            |     |           |      |            |       |          |       |                                    |       |       |       |       |       |      |           |          |          | 10        |  |
| 24 / 23      |                                     |     |            |     |           |      |            |       |          |       |                                    |       |       |       |       |       |      |           |          |          | 4         |  |
| 22 / 21      |                                     |     |            |     |           |      |            |       |          |       |                                    |       |       |       |       |       |      |           |          |          | 3         |  |
| 20 / 19      |                                     |     |            |     |           |      |            |       |          |       |                                    |       |       |       |       |       |      |           |          |          | 1         |  |
| 18 / 17      |                                     |     |            |     |           |      |            |       |          |       |                                    |       |       |       |       |       |      |           |          |          | 3         |  |
| 16 / 15      |                                     |     |            |     |           |      |            |       |          |       |                                    |       |       |       |       |       |      |           |          |          | 4         |  |
| 14 / 13      |                                     |     |            |     |           |      |            |       |          |       |                                    |       |       |       |       |       |      |           |          |          | 1         |  |
| 12 / 11      |                                     |     |            |     |           |      |            |       |          |       |                                    |       |       |       |       |       |      |           |          |          | 4         |  |
| 10 / 9       |                                     |     |            |     |           |      |            |       |          |       |                                    |       |       |       |       |       |      |           |          |          | 3         |  |
| 8 / 7        |                                     |     |            |     |           |      |            |       |          |       |                                    |       |       |       |       |       |      |           |          |          | 1         |  |
| 6 / 5        |                                     |     |            |     |           |      |            |       |          |       |                                    |       |       |       |       |       |      |           |          |          | 3         |  |
| 4 / 3        |                                     |     |            |     |           |      |            |       |          |       |                                    |       |       |       |       |       |      |           |          |          | 2         |  |
| 2 / -5       |                                     |     |            |     |           |      |            |       |          |       |                                    |       |       |       |       |       |      |           |          |          | 4         |  |
| -2 / -7      |                                     |     |            |     |           |      |            |       |          |       |                                    |       |       |       |       |       |      |           |          |          | 5         |  |
| -4 / -9      |                                     |     |            |     |           |      |            |       |          |       |                                    |       |       |       |       |       |      |           |          |          | 4         |  |
| -6 / -11     |                                     |     |            |     |           |      |            |       |          |       |                                    |       |       |       |       |       |      |           |          |          | 2         |  |
| Element (X)  | $\Sigma X^2$                        |     | $\Sigma X$ |     | $\bar{X}$ |      | $\sigma_x$ |       | No. Obs. |       | Mean No. of Hours with Temperature |       |       |       |       |       |      |           |          |          |           |  |

## PSYCHROMETRIC SUMMARY

10001  
STATION

|                                  |    |
|----------------------------------|----|
| MAUI OPTICAL SITE HI NORTH TOWER | 79 |
| STATION NAME                     |    |

**YEARS**

           AUG             
MONTH

PAGE 2 2100-2300  
HOURS (L. S. T.)

[illegible]

## PSYCHROMETRIC SUMMARY

**YEARS**

AUG  
MONTH

PAGE 1

ALL  
HOURS (L. S. T.)

[illegible]

## PSYCHROMETRIC SUMMARY

|         |                                  |    |
|---------|----------------------------------|----|
| 0001    | MAUI OPTICAL SITE HI NORTH TOWER | 79 |
| STATION | STATION NAME                     |    |

**YEARS**

AUG  
MONTH

PAGE 2

## ALL

ALL  
HOURS (L, S, T.)

[illegible]

## PSYCHROMETRIC SUMMARY

YEARS

SEP  
MONTH

PAGE 1 0000-0200  
HOURS (L. S. T.)

| Temp.<br>(F) | WET BULB TEMPERATURE DEPRESSION (F) |     |            |     |           |      |            |       |          |       |                                    |       |        |       |        |       |        |           |          | TOTAL    | TOTAL     |  |       |  |
|--------------|-------------------------------------|-----|------------|-----|-----------|------|------------|-------|----------|-------|------------------------------------|-------|--------|-------|--------|-------|--------|-----------|----------|----------|-----------|--|-------|--|
|              | 0                                   | 1-2 | 3-4        | 5-6 | 7-8       | 9-10 | 11-12      | 13-14 | 15-16    | 17-18 | 19-20                              | 21-22 | 23-24  | 25-26 | 27-28  | 29-30 | ≥ 31   | D.B./W.B. | Dry Bulb | Wet Bulb | Dew Point |  |       |  |
| 0 / 61       |                                     |     |            |     |           |      |            |       |          |       | 1.1                                |       |        |       |        |       |        | 1         | 1        |          |           |  |       |  |
| 0 / 59       |                                     |     |            |     |           |      |            |       |          |       | 1.1                                |       |        |       |        |       |        | 1         | 1        |          |           |  |       |  |
| 6 / 57       |                                     |     |            | 3.4 | 1.1       |      |            |       |          | 2.3   | 1.1                                |       |        |       |        |       |        | 7         | 7        |          |           |  |       |  |
| 50 / 55      |                                     |     |            |     | 2.3       |      |            |       |          | 2.3   | 1.1                                |       |        |       |        |       |        | 5         | 5        |          |           |  |       |  |
| 4 / 53       |                                     |     | 1.1        |     |           |      |            |       | 1.1      |       |                                    |       |        |       |        |       |        | 3         | 3        |          |           |  |       |  |
| 2 / 51       |                                     | 1.1 | 1.1        |     |           |      |            | 1.1   | 2.3      | 1.1   |                                    |       |        |       |        |       |        | 6         | 6        | 3        |           |  |       |  |
| 5 / 49       |                                     |     |            |     |           | 1.1  |            |       | 1.1      | 1.1   |                                    |       |        |       |        |       |        | 3         | 3        | 4        | 1         |  |       |  |
| 13 / 47      |                                     |     |            |     |           | 1.1  | 1.1        |       | 1.1      |       |                                    |       |        |       |        |       |        | 3         | 3        | 2        | 3         |  |       |  |
| 44 / 45      |                                     |     |            |     |           | 1.1  |            | 4.6   | 3.4      |       |                                    |       |        |       |        |       |        | 8         | 8        |          | 2         |  |       |  |
| 44 / 43      |                                     |     |            |     |           | 2.3  |            | 2.3   |          |       |                                    |       |        |       |        |       |        | 4         | 4        | 1        | 2         |  |       |  |
| 42 / 41      |                                     |     |            | 3.4 | 3.4       |      | 1.1        |       |          |       |                                    |       |        |       |        |       |        | 7         | 7        |          | 1         |  |       |  |
| 4 / 39       |                                     |     |            |     |           | 4.6  | 11.5       | 2.3   | 1.1      |       |                                    |       |        |       |        |       |        | 17        | 17       | 6        |           |  |       |  |
| 30 / 37      |                                     |     |            | 1.1 | 1.1       | 1.1  | 6.9        | 1.1   |          |       |                                    |       |        |       |        |       |        | 10        | 10       | 8        |           |  |       |  |
| 6 / 35       |                                     |     |            |     | 1.1       | 2.3  | 2.3        | 1.1   |          |       |                                    |       |        |       |        |       |        | 6         | 6        | 6        |           |  |       |  |
| 30 / 33      |                                     |     |            | 2.3 |           |      | 1.1        |       |          |       |                                    |       |        |       |        |       |        | 3         | 3        | 8        |           |  |       |  |
| 2 / 31       |                                     |     |            | 1.1 |           |      | 1.1        |       |          |       |                                    |       |        |       |        |       |        | 2         | 2        | 8        | 2         |  |       |  |
| 6 / 29       |                                     |     |            |     |           |      |            |       |          |       |                                    |       |        |       |        |       |        |           |          | 14       | 1         |  |       |  |
| 20 / 27      |                                     |     |            |     | 1.1       |      |            |       |          |       |                                    |       |        |       |        |       |        | 1         | 1        | 12       | 1         |  |       |  |
| 13 / 25      |                                     |     |            |     |           |      |            |       |          |       |                                    |       |        |       |        |       |        |           |          | 10       | 4         |  |       |  |
| 20 / 23      |                                     |     |            |     |           |      |            |       |          |       |                                    |       |        |       |        |       |        |           |          | 4        | 2         |  |       |  |
| 12 / 21      |                                     |     |            |     |           |      |            |       |          |       |                                    |       |        |       |        |       |        |           |          | 2        | 3         |  |       |  |
| / 19         |                                     |     |            |     |           |      |            |       |          |       |                                    |       |        |       |        |       |        |           |          | 1        | 5         |  |       |  |
| 2 / 17       |                                     |     |            |     |           |      |            |       |          |       |                                    |       |        |       |        |       |        |           |          |          | 2         |  |       |  |
| 16 / 15      |                                     |     |            |     |           |      |            |       |          |       |                                    |       |        |       |        |       |        |           |          |          | 7         |  |       |  |
| 4 / 13       |                                     |     |            |     |           |      |            |       |          |       |                                    |       |        |       |        |       |        |           |          |          | 3         |  |       |  |
| 1 / 11       |                                     |     |            |     |           |      |            |       |          |       |                                    |       |        |       |        |       |        |           |          |          | 3         |  |       |  |
| / 9          |                                     |     |            |     |           |      |            |       |          |       |                                    |       |        |       |        |       |        |           |          |          | 5         |  |       |  |
| 0 / 7        |                                     |     |            |     |           |      |            |       |          |       |                                    |       |        |       |        |       |        |           |          |          | 11        |  |       |  |
| 0 / 5        |                                     |     |            |     |           |      |            |       |          |       |                                    |       |        |       |        |       |        |           |          |          | 7         |  |       |  |
| 4 / 3        |                                     |     |            |     |           |      |            |       |          |       |                                    |       |        |       |        |       |        |           |          |          | 6         |  |       |  |
| / 1          |                                     |     |            |     |           |      |            |       |          |       |                                    |       |        |       |        |       |        |           |          |          | 1         |  |       |  |
| / -1         |                                     |     |            |     |           |      |            |       |          |       |                                    |       |        |       |        |       |        |           |          |          | 1         |  |       |  |
| - / -3       |                                     |     |            |     |           |      |            |       |          |       |                                    |       |        |       |        |       |        |           |          |          | 6         |  |       |  |
| -4 / -5      |                                     |     |            |     |           |      |            |       |          |       |                                    |       |        |       |        |       |        |           |          |          | 2         |  |       |  |
| Element (X)  | $\Sigma X^2$                        |     | $\Sigma X$ |     | $\bar{X}$ |      | $\sigma_x$ |       | No. Obs. |       | Mean No. of Hours with Temperature |       |        |       |        |       |        |           |          |          |           |  |       |  |
| Rel. Hum.    |                                     |     |            |     |           |      |            |       |          |       | ≤ 0 F                              |       | ≤ 32 F |       | ≥ 67 F |       | ≥ 73 F |           | ≥ 80 F   |          | ≥ 93 F    |  | Total |  |
| Dry Bulb     |                                     |     |            |     |           |      |            |       |          |       |                                    |       |        |       |        |       |        |           |          |          |           |  |       |  |
| Wet Bulb     |                                     |     |            |     |           |      |            |       |          |       |                                    |       |        |       |        |       |        |           |          |          |           |  |       |  |
| Dew Point    |                                     |     |            |     |           |      |            |       |          |       |                                    |       |        |       |        |       |        |           |          |          |           |  |       |  |

**USAFETAC**  
FORM  
"11-A"  
**0-26-5 (QLA)**  
REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE



## PSYCHROMETRIC SUMMARY

**YEARS**

SEP  
MONTH

HOURS (L. S. T.)

| Temp.<br>(F) | WET BULB TEMPERATURE DEPRESSION (F) |     |     |      |      |      |       |       |       |       |       |       |       |       |       |       |      | TOTAL     | TOTAL    |          |           |    |
|--------------|-------------------------------------|-----|-----|------|------|------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|------|-----------|----------|----------|-----------|----|
|              | 0                                   | 1-2 | 3-4 | 5-6  | 7-8  | 9-10 | 11-12 | 13-14 | 15-16 | 17-18 | 19-20 | 21-22 | 23-24 | 25-26 | 27-28 | 29-30 | ≥ 31 | D.B./W.B. | Dry Bulb | Wet Bulb | Dew Point |    |
| -5/-7        |                                     |     |     |      |      |      |       |       |       |       |       |       |       |       |       |       |      |           |          |          |           | 1  |
| - /-11       |                                     |     |     |      |      |      |       |       |       |       |       |       |       |       |       |       |      |           |          |          |           | 1  |
| -1 /-13      |                                     |     |     |      |      |      |       |       |       |       |       |       |       |       |       |       |      |           |          |          |           | 1  |
| -1 /-19      |                                     |     |     |      |      |      |       |       |       |       |       |       |       |       |       |       |      |           |          |          |           | 1  |
| - /-21       |                                     |     |     |      |      |      |       |       |       |       |       |       |       |       |       |       |      |           |          |          |           | 2  |
| TOTAL        |                                     | 1.1 | 2.3 | 11.5 | 10.3 | 13.8 | 25.3  | 12.6  | 10.3  | 6.9   | 5.7   |       |       |       |       |       |      |           | 87       | 87       |           | 87 |
|              |                                     |     |     |      |      |      |       |       |       |       |       |       |       |       |       |       |      |           |          |          |           |    |
|              |                                     |     |     |      |      |      |       |       |       |       |       |       |       |       |       |       |      |           |          |          |           |    |
|              |                                     |     |     |      |      |      |       |       |       |       |       |       |       |       |       |       |      |           |          |          |           |    |
|              |                                     |     |     |      |      |      |       |       |       |       |       |       |       |       |       |       |      |           |          |          |           |    |
|              |                                     |     |     |      |      |      |       |       |       |       |       |       |       |       |       |       |      |           |          |          |           |    |
|              |                                     |     |     |      |      |      |       |       |       |       |       |       |       |       |       |       |      |           |          |          |           |    |
|              |                                     |     |     |      |      |      |       |       |       |       |       |       |       |       |       |       |      |           |          |          |           |    |
|              |                                     |     |     |      |      |      |       |       |       |       |       |       |       |       |       |       |      |           |          |          |           |    |
|              |                                     |     |     |      |      |      |       |       |       |       |       |       |       |       |       |       |      |           |          |          |           |    |
|              |                                     |     |     |      |      |      |       |       |       |       |       |       |       |       |       |       |      |           |          |          |           |    |
|              |                                     |     |     |      |      |      |       |       |       |       |       |       |       |       |       |       |      |           |          |          |           |    |
|              |                                     |     |     |      |      |      |       |       |       |       |       |       |       |       |       |       |      |           |          |          |           |    |
|              |                                     |     |     |      |      |      |       |       |       |       |       |       |       |       |       |       |      |           |          |          |           |    |
|              |                                     |     |     |      |      |      |       |       |       |       |       |       |       |       |       |       |      |           |          |          |           |    |
|              |                                     |     |     |      |      |      |       |       |       |       |       |       |       |       |       |       |      |           |          |          |           |    |
|              |                                     |     |     |      |      |      |       |       |       |       |       |       |       |       |       |       |      |           |          |          |           |    |
|              |                                     |     |     |      |      |      |       |       |       |       |       |       |       |       |       |       |      |           |          |          |           |    |
|              |                                     |     |     |      |      |      |       |       |       |       |       |       |       |       |       |       |      |           |          |          |           |    |
|              |                                     |     |     |      |      |      |       |       |       |       |       |       |       |       |       |       |      |           |          |          |           |    |
|              |                                     |     |     |      |      |      |       |       |       |       |       |       |       |       |       |       |      |           |          |          |           |    |
|              |                                     |     |     |      |      |      |       |       |       |       |       |       |       |       |       |       |      |           |          |          |           |    |
|              |                                     |     |     |      |      |      |       |       |       |       |       |       |       |       |       |       |      |           |          |          |           |    |
|              |                                     |     |     |      |      |      |       |       |       |       |       |       |       |       |       |       |      |           |          |          |           |    |
|              |                                     |     |     |      |      |      |       |       |       |       |       |       |       |       |       |       |      |           |          |          |           |    |
|              |                                     |     |     |      |      |      |       |       |       |       |       |       |       |       |       |       |      |           |          |          |           |    |
|              |                                     |     |     |      |      |      |       |       |       |       |       |       |       |       |       |       |      |           |          |          |           |    |
|              |                                     |     |     |      |      |      |       |       |       |       |       |       |       |       |       |       |      |           |          |          |           |    |
|              |                                     |     |     |      |      |      |       |       |       |       |       |       |       |       |       |       |      |           |          |          |           |    |
|              |                                     |     |     |      |      |      |       |       |       |       |       |       |       |       |       |       |      |           |          |          |           |    |
|              |                                     |     |     |      |      |      |       |       |       |       |       |       |       |       |       |       |      |           |          |          |           |    |
|              |                                     |     |     |      |      |      |       |       |       |       |       |       |       |       |       |       |      |           |          |          |           |    |
|              |                                     |     |     |      |      |      |       |       |       |       |       |       |       |       |       |       |      |           |          |          |           |    |
|              |                                     |     |     |      |      |      |       |       |       |       |       |       |       |       |       |       |      |           |          |          |           |    |
|              |                                     |     |     |      |      |      |       |       |       |       |       |       |       |       |       |       |      |           |          |          |           |    |
|              |                                     |     |     |      |      |      |       |       |       |       |       |       |       |       |       |       |      |           |          |          |           |    |
|              |                                     |     |     |      |      |      |       |       |       |       |       |       |       |       |       |       |      |           |          |          |           |    |
|              |                                     |     |     |      |      |      |       |       |       |       |       |       |       |       |       |       |      |           |          |          |           |    |
|              |                                     |     |     |      |      |      |       |       |       |       |       |       |       |       |       |       |      |           |          |          |           |    |
|              |                                     |     |     |      |      |      |       |       |       |       |       |       |       |       |       |       |      |           |          |          |           |    |
|              |                                     |     |     |      |      |      |       |       |       |       |       |       |       |       |       |       |      |           |          |          |           |    |
|              |                                     |     |     |      |      |      |       |       |       |       |       |       |       |       |       |       |      |           |          |          |           |    |
|              |                                     |     |     |      |      |      |       |       |       |       |       |       |       |       |       |       |      |           |          |          |           |    |
|              |                                     |     |     |      |      |      |       |       |       |       |       |       |       |       |       |       |      |           |          |          |           |    |
|              |                                     |     |     |      |      |      |       |       |       |       |       |       |       |       |       |       |      |           |          |          |           |    |
|              |                                     |     |     |      |      |      |       |       |       |       |       |       |       |       |       |       |      |           |          |          |           |    |
|              |                                     |     |     |      |      |      |       |       |       |       |       |       |       |       |       |       |      |           |          |          |           |    |
|              |                                     |     |     |      |      |      |       |       |       |       |       |       |       |       |       |       |      |           |          |          |           |    |
|              |                                     |     |     |      |      |      |       |       |       |       |       |       |       |       |       |       |      |           |          |          |           |    |
|              |                                     |     |     |      |      |      |       |       |       |       |       |       |       |       |       |       |      |           |          |          |           |    |

FORM 0-26-5 (OL A)  
REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

USAFETAC

## PSYCHROMETRIC SUMMARY

\_\_\_\_\_  
YEARS

\_\_\_\_\_  
SEP  
MONTH

PAGE 1 0300-0500  
HOURS (L. S. T.)

| Temp.<br>(F) | WET BULB TEMPERATURE DEPRESSION (F) |     |     |     |     |      |                |       |          |       |                                    |        |        |        |        |        |       |           | TOTAL    | TOTAL    |           |  |
|--------------|-------------------------------------|-----|-----|-----|-----|------|----------------|-------|----------|-------|------------------------------------|--------|--------|--------|--------|--------|-------|-----------|----------|----------|-----------|--|
|              | 0                                   | 1-2 | 3-4 | 5-6 | 7-8 | 9-10 | 11-12          | 13-14 | 15-16    | 17-18 | 19-20                              | 21-22  | 23-24  | 25-26  | 27-28  | 29-30  | = 31  | D.B./W.B. | Dry Bulb | Wet Bulb | Dew Point |  |
| -4 / 63      |                                     |     |     |     |     |      |                |       |          |       | 1.1                                |        |        |        |        |        |       | 1         | 1        |          |           |  |
| - / 59       |                                     |     |     |     |     |      |                |       | 1.1      |       |                                    |        |        |        |        |        |       | 1         | 1        |          |           |  |
| 0 / 57       |                                     |     | 1.1 | 2.3 |     | 1.1  |                |       | 2.3      |       |                                    |        |        |        |        |        |       | 6         | 6        |          |           |  |
| 5 / 55       |                                     | 1.1 | 2.3 | 2.3 | 2.3 |      |                | 1.1   |          | 1.1   |                                    |        |        |        |        |        |       | 9         | 9        |          |           |  |
| 10 / 53      |                                     |     |     |     | 1.1 |      |                |       |          | 2.3   |                                    |        |        |        |        |        |       | 3         | 3        |          | 2         |  |
| 15 / 51      |                                     |     |     |     |     |      |                |       |          |       |                                    |        |        |        |        |        |       |           |          |          | 4         |  |
| 20 / 49      |                                     |     |     |     |     |      |                |       |          |       | 1.1                                |        |        |        |        |        |       | 1         | 1        | 3        | 4         |  |
| 25 / 47      |                                     |     |     |     |     |      | 2.3            | 1.1   | 2.3      |       |                                    |        |        |        |        |        |       | 5         | 5        | 2        | 1         |  |
| 30 / 45      |                                     |     |     |     | 1.1 |      | 1.1            |       | 1.1      |       |                                    |        |        |        |        |        |       | 3         | 3        | 1        | 1         |  |
| 35 / 43      |                                     |     | 1.1 | 4.6 | 5.7 | 2.3  | 1.1            |       |          |       |                                    |        |        |        |        |        |       | 13        | 13       | 5        | 2         |  |
| 40 / 41      |                                     |     | 2.3 |     |     | 2.3  | 5.7            |       |          |       |                                    |        |        |        |        |        |       | 9         | 9        |          | 2         |  |
| 45 / 39      |                                     |     |     |     |     | 1.1  | 9.2            | 1.1   | 1.1      |       |                                    |        |        |        |        |        |       | 11        | 11       | 1        | 1         |  |
| 50 / 37      | 1.1                                 | 2.3 |     |     | 4.6 | 6.9  | 1.1            | 2.3   |          |       |                                    |        |        |        |        |        |       | 16        | 16       | 7        |           |  |
| 55 / 35      |                                     |     |     |     |     | 2.3  | 2.3            |       |          |       |                                    |        |        |        |        |        |       | 4         | 4        | 10       | 3         |  |
| 60 / 33      |                                     |     | 1.1 |     | 1.1 |      | 1.1            |       |          |       |                                    |        |        |        |        |        |       | 3         | 3        | 7        |           |  |
| 65 / 31      |                                     | 1.1 | 1.1 |     |     |      |                |       |          |       |                                    |        |        |        |        |        |       | 2         | 2        | 9        | 2         |  |
| 70 / 29      |                                     |     |     |     |     |      |                |       |          |       |                                    |        |        |        |        |        |       |           |          | 13       | 2         |  |
| 75 / 27      |                                     |     |     |     |     |      |                |       |          |       |                                    |        |        |        |        |        |       |           |          | 13       | 6         |  |
| 80 / 25      |                                     |     |     |     |     |      |                |       |          |       |                                    |        |        |        |        |        |       |           |          | 6        | 4         |  |
| 85 / 23      |                                     |     |     |     |     |      |                |       |          |       |                                    |        |        |        |        |        |       |           |          | 3        | 2         |  |
| 90 / 21      |                                     |     |     |     |     |      |                |       |          |       |                                    |        |        |        |        |        |       |           |          | 1        | 4         |  |
| 95 / 19      |                                     |     |     |     |     |      |                |       |          |       |                                    |        |        |        |        |        |       |           |          |          | 4         |  |
| 100 / 17     |                                     |     |     |     |     |      |                |       |          |       |                                    |        |        |        |        |        |       |           |          |          | 5         |  |
| 105 / 15     |                                     |     |     |     |     |      |                |       |          |       |                                    |        |        |        |        |        |       |           |          |          | 7         |  |
| 110 / 13     |                                     |     |     |     |     |      |                |       |          |       |                                    |        |        |        |        |        |       |           |          |          | 4         |  |
| 115 / 11     |                                     |     |     |     |     |      |                |       |          |       |                                    |        |        |        |        |        |       |           |          |          | 3         |  |
| 120 / 9      |                                     |     |     |     |     |      |                |       |          |       |                                    |        |        |        |        |        |       |           |          |          | 1         |  |
| 125 / 7      |                                     |     |     |     |     |      |                |       |          |       |                                    |        |        |        |        |        |       |           |          |          | 11        |  |
| 130 / 5      |                                     |     |     |     |     |      |                |       |          |       |                                    |        |        |        |        |        |       |           |          |          | 4         |  |
| 135 / 3      |                                     |     |     |     |     |      |                |       |          |       |                                    |        |        |        |        |        |       |           |          |          | 2         |  |
| 140 / 1      |                                     |     |     |     |     |      |                |       |          |       |                                    |        |        |        |        |        |       |           |          |          | 2         |  |
| 145 / -1     |                                     |     |     |     |     |      |                |       |          |       |                                    |        |        |        |        |        |       |           |          |          | 1         |  |
| 150 / -3     |                                     |     |     |     |     |      |                |       |          |       |                                    |        |        |        |        |        |       |           |          |          | 1         |  |
| 155 / -5     |                                     |     |     |     |     |      |                |       |          |       |                                    |        |        |        |        |        |       |           |          |          | 1         |  |
| Element (X)  | Σ X'                                |     | Σ X |     | X̄  |      | s <sub>x</sub> |       | No. Obs. |       | Mean No. of Hours with Temperature |        |        |        |        |        |       |           |          |          |           |  |
| Rel. Hum.    |                                     |     |     |     |     |      |                |       |          |       | ≤ 0 F                              | ≤ 32 F | ≥ 67 F | ≥ 73 F | ≥ 80 F | ≥ 93 F | Total |           |          |          |           |  |
| Dry Bulb     |                                     |     |     |     |     |      |                |       |          |       |                                    |        |        |        |        |        |       |           |          |          |           |  |
| Wet Bulb     |                                     |     |     |     |     |      |                |       |          |       |                                    |        |        |        |        |        |       |           |          |          |           |  |
| Dew Point    |                                     |     |     |     |     |      |                |       |          |       |                                    |        |        |        |        |        |       |           |          |          |           |  |

## PSYCHROMETRIC SUMMARY

YEARS

SEP  
MONTH

PAGE 2 0300-0500  
HOURS (L. S. T.)

| Temp.<br>(F) | WET BULB TEMPERATURE DEPRESSION (F) |     |     |     |      |      |       |       |       |       |       |       |       |       |       |       |      |           | TOTAL    | TOTAL    |           |  |
|--------------|-------------------------------------|-----|-----|-----|------|------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|------|-----------|----------|----------|-----------|--|
|              | 0                                   | 1-2 | 3-4 | 5-6 | 7-8  | 9-10 | 11-12 | 13-14 | 15-16 | 17-18 | 19-20 | 21-22 | 23-24 | 25-26 | 27-28 | 29-30 | ≥ 31 | D.B./W.B. | Dry Bulb | Wet Bulb | Dew Point |  |
| -5/-9        |                                     |     |     |     |      |      |       |       |       |       |       |       |       |       |       |       |      |           |          |          | 1         |  |
| - /-11       |                                     |     |     |     |      |      |       |       |       |       |       |       |       |       |       |       |      |           |          |          | 1         |  |
| -14/-15      |                                     |     |     |     |      |      |       |       |       |       |       |       |       |       |       |       |      |           |          |          | 2         |  |
| -22/-23      |                                     |     |     |     |      |      |       |       |       |       |       |       |       |       |       |       |      |           |          |          | 1         |  |
| -25/-29      |                                     |     |     |     |      |      |       |       |       |       |       |       |       |       |       |       |      |           |          |          | 1         |  |
| TOTAL        | 1.1                                 | 4.6 | 5.7 | 8.0 | 14.9 | 19.5 | 25.3  | 6.9   | 8.7   | 3.4   | 2.3   |       |       |       |       |       |      |           | 87       |          | 87        |  |
|              |                                     |     |     |     |      |      |       |       |       |       |       |       |       |       |       |       |      |           | 87       |          | 87        |  |
|              |                                     |     |     |     |      |      |       |       |       |       |       |       |       |       |       |       |      |           |          |          |           |  |
|              |                                     |     |     |     |      |      |       |       |       |       |       |       |       |       |       |       |      |           |          |          |           |  |
|              |                                     |     |     |     |      |      |       |       |       |       |       |       |       |       |       |       |      |           |          |          |           |  |
|              |                                     |     |     |     |      |      |       |       |       |       |       |       |       |       |       |       |      |           |          |          |           |  |
|              |                                     |     |     |     |      |      |       |       |       |       |       |       |       |       |       |       |      |           |          |          |           |  |
|              |                                     |     |     |     |      |      |       |       |       |       |       |       |       |       |       |       |      |           |          |          |           |  |
|              |                                     |     |     |     |      |      |       |       |       |       |       |       |       |       |       |       |      |           |          |          |           |  |
|              |                                     |     |     |     |      |      |       |       |       |       |       |       |       |       |       |       |      |           |          |          |           |  |
|              |                                     |     |     |     |      |      |       |       |       |       |       |       |       |       |       |       |      |           |          |          |           |  |
|              |                                     |     |     |     |      |      |       |       |       |       |       |       |       |       |       |       |      |           |          |          |           |  |
|              |                                     |     |     |     |      |      |       |       |       |       |       |       |       |       |       |       |      |           |          |          |           |  |
|              |                                     |     |     |     |      |      |       |       |       |       |       |       |       |       |       |       |      |           |          |          |           |  |
|              |                                     |     |     |     |      |      |       |       |       |       |       |       |       |       |       |       |      |           |          |          |           |  |
|              |                                     |     |     |     |      |      |       |       |       |       |       |       |       |       |       |       |      |           |          |          |           |  |
|              |                                     |     |     |     |      |      |       |       |       |       |       |       |       |       |       |       |      |           |          |          |           |  |
|              |                                     |     |     |     |      |      |       |       |       |       |       |       |       |       |       |       |      |           |          |          |           |  |
|              |                                     |     |     |     |      |      |       |       |       |       |       |       |       |       |       |       |      |           |          |          |           |  |
|              |                                     |     |     |     |      |      |       |       |       |       |       |       |       |       |       |       |      |           |          |          |           |  |
|              |                                     |     |     |     |      |      |       |       |       |       |       |       |       |       |       |       |      |           |          |          |           |  |
|              |                                     |     |     |     |      |      |       |       |       |       |       |       |       |       |       |       |      |           |          |          |           |  |
|              |                                     |     |     |     |      |      |       |       |       |       |       |       |       |       |       |       |      |           |          |          |           |  |
|              |                                     |     |     |     |      |      |       |       |       |       |       |       |       |       |       |       |      |           |          |          |           |  |
|              |                                     |     |     |     |      |      |       |       |       |       |       |       |       |       |       |       |      |           |          |          |           |  |
|              |                                     |     |     |     |      |      |       |       |       |       |       |       |       |       |       |       |      |           |          |          |           |  |
|              |                                     |     |     |     |      |      |       |       |       |       |       |       |       |       |       |       |      |           |          |          |           |  |
|              |                                     |     |     |     |      |      |       |       |       |       |       |       |       |       |       |       |      |           |          |          |           |  |
|              |                                     |     |     |     |      |      |       |       |       |       |       |       |       |       |       |       |      |           |          |          |           |  |
|              |                                     |     |     |     |      |      |       |       |       |       |       |       |       |       |       |       |      |           |          |          |           |  |
|              |                                     |     |     |     |      |      |       |       |       |       |       |       |       |       |       |       |      |           |          |          |           |  |
|              |                                     |     |     |     |      |      |       |       |       |       |       |       |       |       |       |       |      |           |          |          |           |  |
|              |                                     |     |     |     |      |      |       |       |       |       |       |       |       |       |       |       |      |           |          |          |           |  |
|              |                                     |     |     |     |      |      |       |       |       |       |       |       |       |       |       |       |      |           |          |          |           |  |
|              |                                     |     |     |     |      |      |       |       |       |       |       |       |       |       |       |       |      |           |          |          |           |  |
|              |                                     |     |     |     |      |      |       |       |       |       |       |       |       |       |       |       |      |           |          |          |           |  |
|              |                                     |     |     |     |      |      |       |       |       |       |       |       |       |       |       |       |      |           |          |          |           |  |
|              |                                     |     |     |     |      |      |       |       |       |       |       |       |       |       |       |       |      |           |          |          |           |  |
|              |                                     |     |     |     |      |      |       |       |       |       |       |       |       |       |       |       |      |           |          |          |           |  |
|              |                                     |     |     |     |      |      |       |       |       |       |       |       |       |       |       |       |      |           |          |          |           |  |
|              |                                     |     |     |     |      |      |       |       |       |       |       |       |       |       |       |       |      |           |          |          |           |  |
|              |                                     |     |     |     |      |      |       |       |       |       |       |       |       |       |       |       |      |           |          |          |           |  |
|              |                                     |     |     |     |      |      |       |       |       |       |       |       |       |       |       |       |      |           |          |          |           |  |
|              |                                     |     |     |     |      |      |       |       |       |       |       |       |       |       |       |       |      |           |          |          |           |  |
|              |                                     |     |     |     |      |      |       |       |       |       |       |       |       |       |       |       |      |           |          |          |           |  |
|              |                                     |     |     |     |      |      |       |       |       |       |       |       |       |       |       |       |      |           |          |          |           |  |
|              |                                     |     |     |     |      |      |       |       |       |       |       |       |       |       |       |       |      |           |          |          |           |  |
|              |                                     |     |     |     |      |      |       |       |       |       |       |       |       |       |       |       |      |           |          |          |           |  |
|              |                                     |     |     |     |      |      |       |       |       |       |       |       |       |       |       |       |      |           |          |          |           |  |
|              |                                     |     |     |     |      |      |       |       |       |       |       |       |       |       |       |       |      |           |          |          |           |  |
|              |                                     |     |     |     |      |      |       |       |       |       |       |       |       |       |       |       |      |           |          |          |           |  |
|              |                                     |     |     |     |      |      |       |       |       |       |       |       |       |       |       |       |      |           |          |          |           |  |

## PSYCHROMETRIC SUMMARY

YEARS SEP MONTH

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HOURS (L. S. T.)

| Temp.<br>(F) | WET BULB TEMPERATURE DEPRESSION (F) |            |           |            |          |      |       |       |       |       |       |       |       |       |       |       |      |           |          |          | TOTAL     |  | TOTAL |  |  |
|--------------|-------------------------------------|------------|-----------|------------|----------|------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|------|-----------|----------|----------|-----------|--|-------|--|--|
|              | 0                                   | 1-2        | 3-4       | 5-6        | 7-8      | 9-10 | 11-12 | 13-14 | 15-16 | 17-18 | 19-20 | 21-22 | 23-24 | 25-26 | 27-28 | 29-30 | ≥ 31 | D.B./W.B. | Dry Bulb | Wet Bulb | Dew Point |  |       |  |  |
| 62/ 61       |                                     |            |           |            |          |      |       |       |       | 1.2   |       |       |       |       |       |       |      | 1         | 1        |          |           |  |       |  |  |
| 59/ 59       |                                     |            |           |            | 1.2      | 1.2  | 1.2   |       |       |       |       |       |       |       |       |       |      | 3         | 3        |          |           |  |       |  |  |
| 56/ 57       |                                     |            |           | 2.3        | 1.2      | 1.2  |       |       | 1.2   |       | 1.2   | 1.2   |       |       |       |       |      | 7         | 7        |          |           |  |       |  |  |
| 56/ 55       |                                     | 1.2        | 2.3       |            | 1.2      | 1.2  |       |       |       |       |       |       |       |       |       |       |      | 5         | 5        |          |           |  |       |  |  |
| 54/ 53       |                                     |            |           |            |          |      |       |       |       | 1.2   |       |       |       |       |       |       |      | 1         | 1        | 1        |           |  |       |  |  |
| 52/ 51       |                                     | 1.2        |           |            |          |      |       |       | 1.2   |       |       |       |       |       |       |       |      | 2         | 2        | 6        | 1         |  |       |  |  |
| 50/ 49       |                                     |            |           |            |          |      |       | 2.3   |       | 1.2   |       |       |       |       |       |       |      | 3         | 3        | 3        | 2         |  |       |  |  |
| 48/ 47       |                                     |            |           | 1.2        |          |      | 2.3   | 1.2   | 3.5   |       |       |       |       |       |       |       |      | 7         | 7        | 2        | 3         |  |       |  |  |
| 46/ 45       |                                     |            |           |            | 1.2      | 2.3  | 1.2   | 1.2   | 2.3   |       |       |       |       |       |       |       |      | 7         | 7        | 1        | 1         |  |       |  |  |
| 44/ 43       |                                     |            |           |            |          | 3.5  | 1.2   | 2.3   | 1.2   |       |       |       |       |       |       |       |      | 7         | 7        | 1        | 1         |  |       |  |  |
| 42/ 41       |                                     |            |           | 1.2        | 1.2      | 2.3  | 4.7   | 3.5   |       |       |       |       |       |       |       |       |      | 11        | 11       | 2        | 3         |  |       |  |  |
| 40/ 39       |                                     |            |           |            |          | 2.3  | 10.5  |       | 1.2   |       |       |       |       |       |       |       |      | 12        | 12       |          |           |  |       |  |  |
| 38/ 37       |                                     |            |           |            | 5.8      | 3.5  | 2.3   | 1.2   |       |       |       |       |       |       |       |       |      | 11        | 11       | 4        | 1         |  |       |  |  |
| 36/ 35       |                                     |            |           |            |          | 3.5  |       |       |       |       |       |       |       |       |       |       |      | 3         | 3        | 11       | 2         |  |       |  |  |
| 34/ 33       |                                     |            | 1.2       | 1.2        | 1.2      |      | 1.2   |       |       |       |       |       |       |       |       |       |      | 4         | 4        | 5        |           |  |       |  |  |
| 32/ 31       |                                     |            | 1.2       |            |          | 1.2  |       |       |       |       |       |       |       |       |       |       |      | 2         | 2        | 9        |           |  |       |  |  |
| 30/ 29       |                                     |            |           |            |          |      |       |       |       |       |       |       |       |       |       |       |      |           |          | 17       | 2         |  |       |  |  |
| 28/ 27       |                                     |            |           |            |          |      |       |       |       |       |       |       |       |       |       |       |      |           |          | 16       |           |  |       |  |  |
| 26/ 25       |                                     |            |           |            |          |      |       |       |       |       |       |       |       |       |       |       |      |           |          | 7        | 3         |  |       |  |  |
| 24/ 23       |                                     |            |           |            |          |      |       |       |       |       |       |       |       |       |       |       |      |           |          | 1        | 4         |  |       |  |  |
| 22/ 21       |                                     |            |           |            |          |      |       |       |       |       |       |       |       |       |       |       |      |           |          |          | 1         |  |       |  |  |
| 20/ 19       |                                     |            |           |            |          |      |       |       |       |       |       |       |       |       |       |       |      |           |          | 1        | 7         |  |       |  |  |
| 18/ 17       |                                     |            |           |            |          |      |       |       |       |       |       |       |       |       |       |       |      |           |          |          | 6         |  |       |  |  |
| 16/ 15       |                                     |            |           |            |          |      |       |       |       |       |       |       |       |       |       |       |      |           |          |          | 5         |  |       |  |  |
| 14/ 13       |                                     |            |           |            |          |      |       |       |       |       |       |       |       |       |       |       |      |           |          |          | 3         |  |       |  |  |
| 12/ 11       |                                     |            |           |            |          |      |       |       |       |       |       |       |       |       |       |       |      |           |          |          | 6         |  |       |  |  |
| 10/ 9        |                                     |            |           |            |          |      |       |       |       |       |       |       |       |       |       |       |      |           |          |          | 2         |  |       |  |  |
| 8/ 7         |                                     |            |           |            |          |      |       |       |       |       |       |       |       |       |       |       |      |           |          |          | 10        |  |       |  |  |
| 6/ 5         |                                     |            |           |            |          |      |       |       |       |       |       |       |       |       |       |       |      |           |          |          | 4         |  |       |  |  |
| 4/ 3         |                                     |            |           |            |          |      |       |       |       |       |       |       |       |       |       |       |      |           |          |          | 8         |  |       |  |  |
| 2/ 1         |                                     |            |           |            |          |      |       |       |       |       |       |       |       |       |       |       |      |           |          |          | 4         |  |       |  |  |
| 0/ 0         |                                     |            |           |            |          |      |       |       |       |       |       |       |       |       |       |       |      |           |          |          | 2         |  |       |  |  |
| -2/ -3       |                                     |            |           |            |          |      |       |       |       |       |       |       |       |       |       |       |      |           |          |          | 2         |  |       |  |  |
| -4/ -5       |                                     |            |           |            |          |      |       |       |       |       |       |       |       |       |       |       |      |           |          |          | 1         |  |       |  |  |
| Element (X)  | $\Sigma X^2$                        | $\Sigma X$ | $\bar{X}$ | $\sigma_x$ | No. Obs. |      |       |       |       |       |       |       |       |       |       |       |      |           |          |          |           |  |       |  |  |

## PSYCHROMETRIC SUMMARY

\_\_\_\_\_  
YEARS

SEP  
MONTH

PAGE 2 0600-0800  
HOURS (L. S. T.)

| Temp.<br>(F)     | WET BULB TEMPERATURE DEPRESSION (F) |     |     |     |      |      |       |       |       |       |       |       |       |       |       |       |      | TOTAL     | TOTAL    |          |           |
|------------------|-------------------------------------|-----|-----|-----|------|------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|------|-----------|----------|----------|-----------|
|                  | 0                                   | 1-2 | 3-4 | 5-6 | 7-8  | 9-10 | 11-12 | 13-14 | 15-16 | 17-18 | 19-20 | 21-22 | 23-24 | 25-26 | 27-28 | 29-30 | ≥ 31 | D.B./W.B. | Dry Bulb | Wet Bulb | Dew Point |
| -1/-15<br>- /-21 |                                     |     |     |     |      |      |       |       |       |       |       |       |       |       |       |       |      |           |          |          | 1<br>1    |
| TOTAL            |                                     | 2.3 | 4.7 | 5.8 | 12.3 | 22.1 | 24.4  | 11.6  | 10.5  | 3.5   | 1.2   | 1.2   |       |       |       |       |      |           | 86       | 86       | 86        |
|                  |                                     |     |     |     |      |      |       |       |       |       |       |       |       |       |       |       |      |           |          |          |           |
|                  |                                     |     |     |     |      |      |       |       |       |       |       |       |       |       |       |       |      |           |          |          |           |
|                  |                                     |     |     |     |      |      |       |       |       |       |       |       |       |       |       |       |      |           |          |          |           |
|                  |                                     |     |     |     |      |      |       |       |       |       |       |       |       |       |       |       |      |           |          |          |           |
|                  |                                     |     |     |     |      |      |       |       |       |       |       |       |       |       |       |       |      |           |          |          |           |
|                  |                                     |     |     |     |      |      |       |       |       |       |       |       |       |       |       |       |      |           |          |          |           |
|                  |                                     |     |     |     |      |      |       |       |       |       |       |       |       |       |       |       |      |           |          |          |           |
|                  |                                     |     |     |     |      |      |       |       |       |       |       |       |       |       |       |       |      |           |          |          |           |
|                  |                                     |     |     |     |      |      |       |       |       |       |       |       |       |       |       |       |      |           |          |          |           |
|                  |                                     |     |     |     |      |      |       |       |       |       |       |       |       |       |       |       |      |           |          |          |           |
|                  |                                     |     |     |     |      |      |       |       |       |       |       |       |       |       |       |       |      |           |          |          |           |
|                  |                                     |     |     |     |      |      |       |       |       |       |       |       |       |       |       |       |      |           |          |          |           |
|                  |                                     |     |     |     |      |      |       |       |       |       |       |       |       |       |       |       |      |           |          |          |           |
|                  |                                     |     |     |     |      |      |       |       |       |       |       |       |       |       |       |       |      |           |          |          |           |
|                  |                                     |     |     |     |      |      |       |       |       |       |       |       |       |       |       |       |      |           |          |          |           |
|                  |                                     |     |     |     |      |      |       |       |       |       |       |       |       |       |       |       |      |           |          |          |           |
|                  |                                     |     |     |     |      |      |       |       |       |       |       |       |       |       |       |       |      |           |          |          |           |
|                  |                                     |     |     |     |      |      |       |       |       |       |       |       |       |       |       |       |      |           |          |          |           |
|                  |                                     |     |     |     |      |      |       |       |       |       |       |       |       |       |       |       |      |           |          |          |           |
|                  |                                     |     |     |     |      |      |       |       |       |       |       |       |       |       |       |       |      |           |          |          |           |
|                  |                                     |     |     |     |      |      |       |       |       |       |       |       |       |       |       |       |      |           |          |          |           |
|                  |                                     |     |     |     |      |      |       |       |       |       |       |       |       |       |       |       |      |           |          |          |           |
|                  |                                     |     |     |     |      |      |       |       |       |       |       |       |       |       |       |       |      |           |          |          |           |
|                  |                                     |     |     |     |      |      |       |       |       |       |       |       |       |       |       |       |      |           |          |          |           |
|                  |                                     |     |     |     |      |      |       |       |       |       |       |       |       |       |       |       |      |           |          |          |           |
|                  |                                     |     |     |     |      |      |       |       |       |       |       |       |       |       |       |       |      |           |          |          |           |
|                  |                                     |     |     |     |      |      |       |       |       |       |       |       |       |       |       |       |      |           |          |          |           |
|                  |                                     |     |     |     |      |      |       |       |       |       |       |       |       |       |       |       |      |           |          |          |           |
|                  |                                     |     |     |     |      |      |       |       |       |       |       |       |       |       |       |       |      |           |          |          |           |
|                  |                                     |     |     |     |      |      |       |       |       |       |       |       |       |       |       |       |      |           |          |          |           |
|                  |                                     |     |     |     |      |      |       |       |       |       |       |       |       |       |       |       |      |           |          |          |           |
|                  |                                     |     |     |     |      |      |       |       |       |       |       |       |       |       |       |       |      |           |          |          |           |
|                  |                                     |     |     |     |      |      |       |       |       |       |       |       |       |       |       |       |      |           |          |          |           |
|                  |                                     |     |     |     |      |      |       |       |       |       |       |       |       |       |       |       |      |           |          |          |           |
|                  |                                     |     |     |     |      |      |       |       |       |       |       |       |       |       |       |       |      |           |          |          |           |
|                  |                                     |     |     |     |      |      |       |       |       |       |       |       |       |       |       |       |      |           |          |          |           |
|                  |                                     |     |     |     |      |      |       |       |       |       |       |       |       |       |       |       |      |           |          |          |           |
|                  |                                     |     |     |     |      |      |       |       |       |       |       |       |       |       |       |       |      |           |          |          |           |
|                  |                                     |     |     |     |      |      |       |       |       |       |       |       |       |       |       |       |      |           |          |          |           |
|                  |                                     |     |     |     |      |      |       |       |       |       |       |       |       |       |       |       |      |           |          |          |           |
|                  |                                     |     |     |     |      |      |       |       |       |       |       |       |       |       |       |       |      |           |          |          |           |
|                  |                                     |     |     |     |      |      |       |       |       |       |       |       |       |       |       |       |      |           |          |          |           |
|                  |                                     |     |     |     |      |      |       |       |       |       |       |       |       |       |       |       |      |           |          |          |           |
|                  |                                     |     |     |     |      |      |       |       |       |       |       |       |       |       |       |       |      |           |          |          |           |
|                  |                                     |     |     |     |      |      |       |       |       |       |       |       |       |       |       |       |      |           |          |          |           |
|                  |                                     |     |     |     |      |      |       |       |       |       |       |       |       |       |       |       |      |           |          |          |           |
|                  |                                     |     |     |     |      |      |       |       |       |       |       |       |       |       |       |       |      |           |          |          |           |
|                  |                                     |     |     |     |      |      |       |       |       |       |       |       |       |       |       |       |      |           |          |          |           |
|                  |                                     |     |     |     |      |      |       |       |       |       |       |       |       |       |       |       |      |           |          |          |           |
|                  |                                     |     |     |     |      |      |       |       |       |       |       |       |       |       |       |       |      |           |          |          |           |
|                  |                                     |     |     |     |      |      |       |       |       |       |       |       |       |       |       |       |      |           |          |          |           |
|                  |                                     |     |     |     |      |      |       |       |       |       |       |       |       |       |       |       |      |           |          |          |           |
|                  |                                     |     |     |     |      |      |       |       |       |       |       |       |       |       |       |       |      |           |          |          |           |
|                  |                                     |     |     |     |      |      |       |       |       |       |       |       |       |       |       |       |      |           |          |          |           |
|                  |                                     |     |     |     |      |      |       |       |       |       |       |       |       |       |       |       |      |           |          |          |           |
|                  |                                     |     |     |     |      |      |       |       |       |       |       |       |       |       |       |       |      |           |          |          |           |

USAFETAC FORM 0-26-5 (OL A) REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

# PSYCHROMETRIC SUMMARY

0001 MAUI OPTICAL SITE HI NORTH TOWER 79

SEP  
MONTH

PAGE 1 0900-1100  
HOURS (L. S. T.)

| Temp.<br>(F) | WET BULB TEMPERATURE DEPRESSION (F) |     |            |     |           |      |            |       |          |       |                                    |        |        |        |        |        |       |           |          |          | TOTAL     | TOTAL |  |  |
|--------------|-------------------------------------|-----|------------|-----|-----------|------|------------|-------|----------|-------|------------------------------------|--------|--------|--------|--------|--------|-------|-----------|----------|----------|-----------|-------|--|--|
|              | 0                                   | 1-2 | 3-4        | 5-6 | 7-8       | 9-10 | 11-12      | 13-14 | 15-16    | 17-18 | 19-20                              | 21-22  | 23-24  | 25-26  | 27-28  | 29-30  | ≥ 31  | D.B./W.B. | Dry Bulb | Wet Bulb | Dew Point |       |  |  |
| 44/ 63       |                                     |     |            |     |           |      | 1.2        |       |          | 1.2   |                                    | 1.2    |        |        |        |        |       |           | 3        | 3        |           |       |  |  |
| 42/ 61       |                                     |     |            |     |           | 2.3  | 1.2        |       | 1.2      |       | 1.2                                | 2.3    |        |        |        |        |       |           | 7        | 7        |           |       |  |  |
| 40/ 59       |                                     |     |            | 1.2 | 1.2       | 1.2  | 1.2        |       |          |       |                                    | 1.2    |        |        |        |        |       |           | 5        | 5        |           |       |  |  |
| 38/ 57       |                                     |     |            | 2.3 | 1.2       |      |            |       |          |       |                                    |        |        |        |        |        |       |           | 3        | 3        |           |       |  |  |
| 56/ 55       |                                     |     |            |     |           | 1.2  |            |       |          | 1.2   |                                    |        |        |        |        |        |       |           | 2        | 2        |           |       |  |  |
| 54/ 53       |                                     |     |            |     |           |      |            |       |          |       |                                    |        |        |        |        |        |       |           |          |          | 3         |       |  |  |
| 52/ 51       |                                     |     |            |     |           | 2.3  | 1.2        | 1.2   | 2.3      | 1.2   |                                    |        |        |        |        |        |       |           | 7        | 7        | 5         |       |  |  |
| 50/ 49       |                                     |     |            |     |           | 2.3  | 2.3        | 1.2   | 2.3      | 3.5   |                                    |        |        |        |        |        |       |           | 10       | 10       | 2         |       |  |  |
| 48/ 47       |                                     |     |            | 1.2 | 2.3       |      |            | 1.2   | 4.7      |       |                                    |        |        |        |        |        |       |           | 8        | 8        | 1         | 4     |  |  |
| 46/ 45       |                                     |     |            | 1.2 | 1.2       | 1.2  | 2.3        | 2.3   | 1.2      |       |                                    |        |        |        |        |        |       |           | 8        | 8        | 3         | 2     |  |  |
| 44/ 43       |                                     |     |            |     | 1.2       | 4.7  | 3.5        | 4.7   | 3.5      |       |                                    |        |        |        |        |        |       |           | 15       | 15       |           | 3     |  |  |
| 42/ 41       |                                     |     |            |     |           | 2.3  | 3.5        | 7.0   |          |       |                                    |        |        |        |        |        |       |           | 11       | 11       | 9         |       |  |  |
| 40/ 39       |                                     |     | 1.2        | 1.2 | 1.2       |      |            |       |          |       |                                    |        |        |        |        |        |       |           | 3        | 3        | 7         | 1     |  |  |
| 38/ 37       |                                     |     |            |     |           | 1.2  |            | 1.2   |          |       |                                    |        |        |        |        |        |       |           | 2        | 2        | 5         | 1     |  |  |
| 36/ 35       |                                     |     |            |     | 1.2       |      |            |       |          |       |                                    |        |        |        |        |        |       |           | 1        | 1        | 7         | 1     |  |  |
| 34/ 33       |                                     |     |            |     | 1.2       |      |            |       |          |       |                                    |        |        |        |        |        |       |           | 1        | 1        | 12        | 3     |  |  |
| 32/ 31       |                                     |     |            |     |           |      |            |       |          |       |                                    |        |        |        |        |        |       |           |          |          | 11        | 3     |  |  |
| 30/ 29       |                                     |     |            |     |           |      |            |       |          |       |                                    |        |        |        |        |        |       |           |          |          | 14        | 6     |  |  |
| 28/ 27       |                                     |     |            |     |           |      |            |       |          |       |                                    |        |        |        |        |        |       |           |          |          | 5         | 1     |  |  |
| 26/ 25       |                                     |     |            |     |           |      |            |       |          |       |                                    |        |        |        |        |        |       |           |          |          | 1         | 4     |  |  |
| 24/ 23       |                                     |     |            |     |           |      |            |       |          |       |                                    |        |        |        |        |        |       |           |          |          | 1         | 1     |  |  |
| 22/ 21       |                                     |     |            |     |           |      |            |       |          |       |                                    |        |        |        |        |        |       |           |          |          |           | 3     |  |  |
| 20/ 19       |                                     |     |            |     |           |      |            |       |          |       |                                    |        |        |        |        |        |       |           |          |          |           | 3     |  |  |
| 18/ 17       |                                     |     |            |     |           |      |            |       |          |       |                                    |        |        |        |        |        |       |           |          |          |           | 3     |  |  |
| 16/ 15       |                                     |     |            |     |           |      |            |       |          |       |                                    |        |        |        |        |        |       |           |          |          |           | 6     |  |  |
| 14/ 13       |                                     |     |            |     |           |      |            |       |          |       |                                    |        |        |        |        |        |       |           |          |          |           | 4     |  |  |
| 12/ 11       |                                     |     |            |     |           |      |            |       |          |       |                                    |        |        |        |        |        |       |           |          |          |           | 8     |  |  |
| 10/ 9        |                                     |     |            |     |           |      |            |       |          |       |                                    |        |        |        |        |        |       |           |          |          |           | 4     |  |  |
| 8/ 7         |                                     |     |            |     |           |      |            |       |          |       |                                    |        |        |        |        |        |       |           |          |          |           | 7     |  |  |
| 6/ 5         |                                     |     |            |     |           |      |            |       |          |       |                                    |        |        |        |        |        |       |           |          |          |           | 6     |  |  |
| 4/ 3         |                                     |     |            |     |           |      |            |       |          |       |                                    |        |        |        |        |        |       |           |          |          |           | 5     |  |  |
| 2/ 1         |                                     |     |            |     |           |      |            |       |          |       |                                    |        |        |        |        |        |       |           |          |          |           | 1     |  |  |
| 0/ 0         |                                     |     |            |     |           |      |            |       |          |       |                                    |        |        |        |        |        |       |           |          |          |           | 1     |  |  |
| -2/ -1       |                                     |     |            |     |           |      |            |       |          |       |                                    |        |        |        |        |        |       |           |          |          |           | 1     |  |  |
| -4/ -3       |                                     |     |            |     |           |      |            |       |          |       |                                    |        |        |        |        |        |       |           |          |          |           | 1     |  |  |
| Element (X)  | $\Sigma X^2$                        |     | $\Sigma X$ |     | $\bar{X}$ |      | $\sigma_x$ |       | No. Obs. |       | Mean No. of Hours with Temperature |        |        |        |        |        | Total |           |          |          |           |       |  |  |
| Rel. Hum.    |                                     |     |            |     |           |      |            |       |          |       | ≤ 0 F                              | ≤ 32 F | ≥ 67 F | ≥ 73 F | ≥ 80 F | ≥ 93 F |       |           |          |          |           |       |  |  |
| Dry Bulb     |                                     |     |            |     |           |      |            |       |          |       |                                    |        |        |        |        |        |       |           |          |          |           |       |  |  |
| Wet Bulb     |                                     |     |            |     |           |      |            |       |          |       |                                    |        |        |        |        |        |       |           |          |          |           |       |  |  |
| Dew Point    |                                     |     |            |     |           |      |            |       |          |       |                                    |        |        |        |        |        |       |           |          |          |           |       |  |  |

USAFETAC FORM 0-26-5 (OL A) JUL 64 REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

## PSYCHROMETRIC SUMMARY

\_\_\_\_\_  
YEARS

\_\_\_\_\_  
MONTH

PAGE 2 0900-1100  
HOURS (L. S. T.)

[illegible]0-26-5 (OLA)  
REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

**USAFETAC**

## PSYCHROMETRIC SUMMARY

YEARS

SEP  
MONTH

PAGE 1 1200-1400  
HOURS (L. S. T.)

| Temp<br>(F) | WET BULB TEMPERATURE DEPRESSION (F) |            |           |            |          |      |       |       |       |       |       |       |       |       |       |       |      |           |          |          | TOTAL     | TOTAL |  |  |
|-------------|-------------------------------------|------------|-----------|------------|----------|------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|------|-----------|----------|----------|-----------|-------|--|--|
|             | 0                                   | 1-2        | 3-4       | 5-6        | 7-8      | 9-10 | 11-12 | 13-14 | 15-16 | 17-18 | 19-20 | 21-22 | 23-24 | 25-26 | 27-28 | 29-30 | ≥ 31 | D.B./W.B. | Dry Bulb | Wet Bulb | Dew Point |       |  |  |
| 66/ 65      |                                     |            |           |            |          | 1.2  |       |       |       |       |       |       |       |       |       |       |      | 1         | 1        |          |           |       |  |  |
| 64/ 63      |                                     |            |           |            | 1.2      |      |       |       | 1.2   |       |       |       |       |       |       |       |      | 2         | 2        |          |           |       |  |  |
| 62/ 61      |                                     |            |           |            | 1.2      |      |       | 1.2   | 3.6   | 1.2   |       | 1.2   |       |       |       |       |      | 7         | 7        |          |           |       |  |  |
| 60/ 59      |                                     |            |           | 2.4        |          |      |       | 2.4   |       | 2.4   |       | 1.2   |       |       |       |       |      | 7         | 7        |          |           |       |  |  |
| 58/ 57      |                                     |            |           |            |          |      |       | 2.4   |       |       |       |       |       |       |       |       |      | 2         | 2        | 1        |           |       |  |  |
| 56/ 55      |                                     |            |           |            |          |      |       | 2.4   |       |       |       |       |       |       |       |       |      | 2         | 2        | 2        |           |       |  |  |
| 54/ 53      |                                     |            |           |            |          |      | 1.2   |       | 1.2   | 1.2   |       |       |       |       |       |       |      | 3         | 3        | 2        |           |       |  |  |
| 52/ 51      |                                     |            |           |            |          | 1.2  | 3.6   | 1.2   | 2.4   | 2.4   |       |       |       |       |       |       |      | 9         | 9        |          | 2         |       |  |  |
| 50/ 49      |                                     |            |           | 1.2        | 2.4      | 2.4  | 1.2   |       | 3.6   |       | 1.2   |       |       |       |       |       |      | 10        | 10       |          |           |       |  |  |
| 48/ 47      |                                     |            |           |            | 2.4      | 1.2  | 1.2   | 2.4   | 4.8   |       |       |       |       |       |       |       |      | 10        | 10       | 5        | 3         |       |  |  |
| 46/ 45      |                                     |            |           |            | 1.2      | 1.2  | 1.2   | 2.4   | 4.8   |       |       |       |       |       |       |       |      | 9         | 9        | 4        |           |       |  |  |
| 44/ 43      |                                     |            |           |            | 2.4      | 1.2  | 1.2   | 2.4   | 2.4   |       |       |       |       |       |       |       |      | 8         | 9        | 4        |           |       |  |  |
| 42/ 41      |                                     |            |           |            | 1.2      |      | 1.2   | 1.2   | 1.2   |       |       |       |       |       |       |       |      | 5         | 5        | 8        |           |       |  |  |
| 40/ 39      |                                     |            | 1.2       |            |          | 1.2  |       | 2.4   |       |       |       |       |       |       |       |       |      | 5         | 5        | 6        |           |       |  |  |
| 38/ 37      |                                     |            |           |            | 1.2      | 1.2  |       |       |       |       |       |       |       |       |       |       |      | 2         | 2        | 10       | 1         |       |  |  |
| 36/ 35      |                                     |            |           |            | 2.4      |      |       |       |       |       |       |       |       |       |       |       |      | 2         | 2        | 6        | 4         |       |  |  |
| 34/ 33      |                                     |            |           |            |          |      |       |       |       |       |       |       |       |       |       |       |      |           |          | 9        | 4         |       |  |  |
| 32/ 31      |                                     |            |           |            |          |      |       |       |       |       |       |       |       |       |       |       |      |           |          | 11       | 2         |       |  |  |
| 30/ 29      |                                     |            |           |            |          |      |       |       |       |       |       |       |       |       |       |       |      |           |          | 10       | 6         |       |  |  |
| 28/ 27      |                                     |            |           |            |          |      |       |       |       |       |       |       |       |       |       |       |      |           |          | 3        | 8         |       |  |  |
| 26/ 25      |                                     |            |           |            |          |      |       |       |       |       |       |       |       |       |       |       |      |           |          | 3        | 4         |       |  |  |
| 24/ 23      |                                     |            |           |            |          |      |       |       |       |       |       |       |       |       |       |       |      |           |          |          | 4         |       |  |  |
| 22/ 21      |                                     |            |           |            |          |      |       |       |       |       |       |       |       |       |       |       |      |           |          |          | 3         |       |  |  |
| 20/ 19      |                                     |            |           |            |          |      |       |       |       |       |       |       |       |       |       |       |      |           |          |          | 3         |       |  |  |
| 18/ 17      |                                     |            |           |            |          |      |       |       |       |       |       |       |       |       |       |       |      |           |          |          | 2         |       |  |  |
| 16/ 15      |                                     |            |           |            |          |      |       |       |       |       |       |       |       |       |       |       |      |           |          |          | 5         |       |  |  |
| 14/ 13      |                                     |            |           |            |          |      |       |       |       |       |       |       |       |       |       |       |      |           |          |          | 3         |       |  |  |
| 12/ 11      |                                     |            |           |            |          |      |       |       |       |       |       |       |       |       |       |       |      |           |          |          | 5         |       |  |  |
| 10/ 9       |                                     |            |           |            |          |      |       |       |       |       |       |       |       |       |       |       |      |           |          |          | 3         |       |  |  |
| 8/ 7        |                                     |            |           |            |          |      |       |       |       |       |       |       |       |       |       |       |      |           |          |          | 5         |       |  |  |
| 6/ 5        |                                     |            |           |            |          |      |       |       |       |       |       |       |       |       |       |       |      |           |          |          | 2         |       |  |  |
| 4/ 3        |                                     |            |           |            |          |      |       |       |       |       |       |       |       |       |       |       |      |           |          |          | 2         |       |  |  |
| 2/ 1        |                                     |            |           |            |          |      |       |       |       |       |       |       |       |       |       |       |      |           |          |          | 4         |       |  |  |
| 0/ -1       |                                     |            |           |            |          |      |       |       |       |       |       |       |       |       |       |       |      |           |          |          | 2         |       |  |  |
| Element (X) | $\Sigma X^2$                        | $\Sigma X$ | $\bar{X}$ | $\sigma_x$ | No. Obs. |      |       |       |       |       |       |       |       |       |       |       |      |           |          |          |           |       |  |  |



## PSYCHROMETRIC SUMMARY

**YEARS**

SEP  
MONTH

PAGE 2 1200-1400  
HOURS (L. S. T.)

[illegible]

FORM  
0-26-5 (OL A)  
REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

USAFETAC

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

# PSYCHROMETRIC SUMMARY

3001  
STATION

MAUI OPTICAL SITE HI NORTH TOWER  
STATION NAME

79  
YEARS

SEP  
MONTH

PAGE 1 1500-1700  
HOURS (L. S. T.)

| Temp<br>(F) | WET BULB TEMPERATURE DEPRESSION (F) |     |     |     |     |      |       |       |       |       |       |       |          |       |       |                                    |        |        |        |        |        |       |  |  |  |  |  |  |  |  |  |  |  | TOTAL<br>D.B./W.B. | TOTAL |  |  |
|-------------|-------------------------------------|-----|-----|-----|-----|------|-------|-------|-------|-------|-------|-------|----------|-------|-------|------------------------------------|--------|--------|--------|--------|--------|-------|--|--|--|--|--|--|--|--|--|--|--|--------------------|-------|--|--|
|             | 0                                   | 1-2 | 3-4 | 5-6 | 7-8 | 9-10 | 11-12 | 13-14 | 15-16 | 17-18 | 19-20 | 21-22 | 23-24    | 25-26 | 27-28 | 29-30                              | ≥ 31   | TOTAL  |        |        |        |       |  |  |  |  |  |  |  |  |  |  |  |                    |       |  |  |
| 4/ 62       |                                     |     |     |     |     |      | 2.4   |       |       | 1.2   |       | 1.2   |          |       |       |                                    |        | 4      | 4      |        |        |       |  |  |  |  |  |  |  |  |  |  |  |                    |       |  |  |
| 5/ 59       |                                     |     |     | 1.2 | 2.4 |      |       | 1.2   | 2.4   | 2.4   |       |       |          |       |       |                                    |        | 8      | 8      |        |        |       |  |  |  |  |  |  |  |  |  |  |  |                    |       |  |  |
| 6/ 57       |                                     |     |     |     | 1.2 | 2.4  |       |       | 3.6   |       | 1.2   |       |          |       |       |                                    |        | 7      | 7      |        |        |       |  |  |  |  |  |  |  |  |  |  |  |                    |       |  |  |
| 56/ 55      |                                     |     |     |     |     |      |       | 1.2   | 1.2   |       |       |       |          |       |       |                                    |        | 2      | 2      |        |        |       |  |  |  |  |  |  |  |  |  |  |  |                    |       |  |  |
| 4/ 53       |                                     |     |     |     |     |      | 1.2   | 1.2   |       |       | 1.2   |       |          |       |       |                                    |        | 3      | 3      |        |        |       |  |  |  |  |  |  |  |  |  |  |  |                    |       |  |  |
| 2/ 51       |                                     |     |     |     |     |      | 1.2   | 1.2   | 2.4   | 4.7   | 1.2   |       |          |       |       |                                    |        | 9      | 9      |        |        |       |  |  |  |  |  |  |  |  |  |  |  |                    |       |  |  |
| 5/ 49       |                                     |     |     |     |     |      | 2.4   |       | 1.2   | 1.2   |       |       |          |       |       |                                    |        | 4      | 4      |        | 1      |       |  |  |  |  |  |  |  |  |  |  |  |                    |       |  |  |
| 45/ 47      |                                     |     |     | 1.2 | 1.2 |      |       | 2.4   | 4.7   | 2.4   |       |       |          |       |       |                                    |        | 10     | 10     |        | 1      |       |  |  |  |  |  |  |  |  |  |  |  |                    |       |  |  |
| 40/ 45      |                                     |     |     | 2.4 | 3.6 | 2.4  |       |       | 2.4   | 2.4   |       |       |          |       |       |                                    |        | 11     | 11     |        | 3      |       |  |  |  |  |  |  |  |  |  |  |  |                    |       |  |  |
| 44/ 43      |                                     |     |     |     | 1.2 |      |       | 1.2   | 5.9   | 2.4   |       |       |          |       |       |                                    |        | 9      | 9      |        | 2      |       |  |  |  |  |  |  |  |  |  |  |  |                    |       |  |  |
| 2/ 41       |                                     |     |     |     | 1.2 | 2.4  | 1.2   | 7.1   | 1.2   |       |       |       |          |       |       |                                    |        | 11     | 11     |        | 2      |       |  |  |  |  |  |  |  |  |  |  |  |                    |       |  |  |
| 4/ 39       |                                     |     |     |     | 1.2 | 1.2  |       |       |       |       |       |       |          |       |       |                                    |        | 2      | 2      |        | 7      |       |  |  |  |  |  |  |  |  |  |  |  |                    |       |  |  |
| 3/ 37       |                                     |     |     |     |     | 1.2  |       | 2.4   |       |       |       |       |          |       |       |                                    |        | 3      | 3      |        | 2      |       |  |  |  |  |  |  |  |  |  |  |  |                    |       |  |  |
| 10/ 35      |                                     |     |     |     | 1.2 |      |       |       |       |       |       |       |          |       |       |                                    |        | 1      | 1      |        | 2      |       |  |  |  |  |  |  |  |  |  |  |  |                    |       |  |  |
| 34/ 33      |                                     |     |     |     |     |      |       |       |       |       |       |       |          |       |       |                                    |        |        |        | 10     | 2      |       |  |  |  |  |  |  |  |  |  |  |  |                    |       |  |  |
| 2/ 31       |                                     |     |     |     | 1.2 |      |       |       |       |       |       |       |          |       |       |                                    |        | 1      | 1      |        | 5      |       |  |  |  |  |  |  |  |  |  |  |  |                    |       |  |  |
| 3/ 29       |                                     |     |     |     |     |      |       |       |       |       |       |       |          |       |       |                                    |        |        |        | 12     | 6      |       |  |  |  |  |  |  |  |  |  |  |  |                    |       |  |  |
| 10/ 27      |                                     |     |     |     |     |      |       |       |       |       |       |       |          |       |       |                                    |        |        |        | 4      | 2      |       |  |  |  |  |  |  |  |  |  |  |  |                    |       |  |  |
| 11/ 25      |                                     |     |     |     |     |      |       |       |       |       |       |       |          |       |       |                                    |        |        |        |        | 7      |       |  |  |  |  |  |  |  |  |  |  |  |                    |       |  |  |
| 24/ 23      |                                     |     |     |     |     |      |       |       |       |       |       |       |          |       |       |                                    |        |        |        | 3      | 3      |       |  |  |  |  |  |  |  |  |  |  |  |                    |       |  |  |
| 2/ 21       |                                     |     |     |     |     |      |       |       |       |       |       |       |          |       |       |                                    |        |        |        |        | 3      |       |  |  |  |  |  |  |  |  |  |  |  |                    |       |  |  |
| 1/ 19       |                                     |     |     |     |     |      |       |       |       |       |       |       |          |       |       |                                    |        |        |        |        | 1      |       |  |  |  |  |  |  |  |  |  |  |  |                    |       |  |  |
| 14/ 17      |                                     |     |     |     |     |      |       |       |       |       |       |       |          |       |       |                                    |        |        |        |        | 6      |       |  |  |  |  |  |  |  |  |  |  |  |                    |       |  |  |
| 10/ 15      |                                     |     |     |     |     |      |       |       |       |       |       |       |          |       |       |                                    |        |        |        |        | 1      |       |  |  |  |  |  |  |  |  |  |  |  |                    |       |  |  |
| 14/ 13      |                                     |     |     |     |     |      |       |       |       |       |       |       |          |       |       |                                    |        |        |        |        | 9      |       |  |  |  |  |  |  |  |  |  |  |  |                    |       |  |  |
| 1/ 11       |                                     |     |     |     |     |      |       |       |       |       |       |       |          |       |       |                                    |        |        |        |        | 7      |       |  |  |  |  |  |  |  |  |  |  |  |                    |       |  |  |
| 1/ 9        |                                     |     |     |     |     |      |       |       |       |       |       |       |          |       |       |                                    |        |        |        |        | 5      |       |  |  |  |  |  |  |  |  |  |  |  |                    |       |  |  |
| 5/ 7        |                                     |     |     |     |     |      |       |       |       |       |       |       |          |       |       |                                    |        |        |        |        | 3      |       |  |  |  |  |  |  |  |  |  |  |  |                    |       |  |  |
| 0/ 5        |                                     |     |     |     |     |      |       |       |       |       |       |       |          |       |       |                                    |        |        |        |        | 3      |       |  |  |  |  |  |  |  |  |  |  |  |                    |       |  |  |
| 2/ 3        |                                     |     |     |     |     |      |       |       |       |       |       |       |          |       |       |                                    |        |        |        |        | 2      |       |  |  |  |  |  |  |  |  |  |  |  |                    |       |  |  |
| 1/ 1        |                                     |     |     |     |     |      |       |       |       |       |       |       |          |       |       |                                    |        |        |        |        | 2      |       |  |  |  |  |  |  |  |  |  |  |  |                    |       |  |  |
| 1/ -1       |                                     |     |     |     |     |      |       |       |       |       |       |       |          |       |       |                                    |        |        |        |        | 2      |       |  |  |  |  |  |  |  |  |  |  |  |                    |       |  |  |
| 1/ -3       |                                     |     |     |     |     |      |       |       |       |       |       |       |          |       |       |                                    |        |        |        |        | 2      |       |  |  |  |  |  |  |  |  |  |  |  |                    |       |  |  |
| 1/ -5       |                                     |     |     |     |     |      |       |       |       |       |       |       |          |       |       |                                    |        |        |        |        | 2      |       |  |  |  |  |  |  |  |  |  |  |  |                    |       |  |  |
| Element (X) | Σ x <sup>2</sup>                    |     |     | Σ x |     |      | Σ     |       |       | Σ x   |       |       | No. Obs. |       |       | Mean No. of Hours with Temperature |        |        |        |        |        | Total |  |  |  |  |  |  |  |  |  |  |  |                    |       |  |  |
| Rel. Hum.   |                                     |     |     |     |     |      |       |       |       |       |       |       |          |       |       | ≤ 0 F                              | ≤ 32 F | ≥ 67 F | ≥ 73 F | ≥ 80 F | ≥ 93 F |       |  |  |  |  |  |  |  |  |  |  |  |                    |       |  |  |
| Dry Bulb    |                                     |     |     |     |     |      |       |       |       |       |       |       |          |       |       |                                    |        |        |        |        |        |       |  |  |  |  |  |  |  |  |  |  |  |                    |       |  |  |
| Wet Bulb    |                                     |     |     |     |     |      |       |       |       |       |       |       |          |       |       |                                    |        |        |        |        |        |       |  |  |  |  |  |  |  |  |  |  |  |                    |       |  |  |
| Dew Point   |                                     |     |     |     |     |      |       |       |       |       |       |       |          |       |       |                                    |        |        |        |        |        |       |  |  |  |  |  |  |  |  |  |  |  |                    |       |  |  |

USAFETAC FORM 0-26-5 (OL A) JUL 64 REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

## PSYCHROMETRIC SUMMARY

YEARS

SEP  
MONTH

1500-1700  
HOURS (L. S. T.)

[illegible]

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIP WEATHER SERVICE/MAC

# PSYCHROMETRIC SUMMARY

0001 MAUI OPTICAL SITE HI NORTH TOWER 79

STATION

STATION NAME

YEARS

SEP  
MONTH

PAGE 1 1800-2000  
HOURS (L. S. T.)

| Temp.<br>(F) | WET BULB TEMPERATURE DEPRESSION (F) |            |           |            |          |                                    |             |             |             |             |             |       |       |       |       |       | TOTAL<br>D.B./W.B. | TOTAL |          |          |
|--------------|-------------------------------------|------------|-----------|------------|----------|------------------------------------|-------------|-------------|-------------|-------------|-------------|-------|-------|-------|-------|-------|--------------------|-------|----------|----------|
|              | 0                                   | 1-2        | 3-4       | 5-6        | 7-8      | 9-10                               | 11-12       | 13-14       | 15-16       | 17-18       | 19-20       | 21-22 | 23-24 | 25-26 | 27-28 | 29-30 |                    | 31    | Dry Bulb | Wet Bulb |
| 2 / 61       |                                     |            |           |            |          |                                    | 1.2         |             |             |             |             |       |       |       |       |       |                    | 1     | 1        |          |
| 3 / 59       |                                     |            |           |            |          | 1.2                                | 1.2         |             |             |             |             |       |       |       |       |       |                    | 2     | 2        |          |
| 4 / 57       |                                     |            |           |            |          | 1.2                                |             |             |             | 1.2         |             |       |       |       |       |       |                    | 2     | 2        |          |
| 5 / 55       |                                     |            |           | 1.2        | 2.4      |                                    |             |             |             | 1.2         |             |       |       |       |       |       |                    | 4     | 4        |          |
| 6 / 53       |                                     |            |           |            |          | 1.2                                |             | 1.2         | 1.2         | 1.2         |             |       |       |       |       |       |                    | 4     | 4        |          |
| 7 / 51       |                                     |            |           |            | 1.2      |                                    | 3.6         |             |             |             |             |       |       |       |       |       |                    | 5     | 5        | 1        |
| 8 / 49       |                                     |            |           |            |          | 1.2                                |             |             | 3.6         | 1.2         |             |       |       |       |       |       |                    | 5     | 5        | 2        |
| 9 / 47       |                                     |            |           |            |          | 1.2                                | 2.4         | 1.2         | 3.6         | 1.2         |             |       |       |       |       |       |                    | 8     | 8        | 3        |
| 10 / 45      |                                     |            |           |            | 1.2      | 2.4                                | 2.4         | 2.4         | 1.2         |             |             |       |       |       |       |       |                    | 8     | 8        | 1        |
| 11 / 43      |                                     |            |           | 2.4        |          |                                    | 1.2         | 4.8         |             |             |             |       |       |       |       |       |                    | 7     | 7        | 2        |
| 12 / 41      |                                     |            |           |            | 1.2      |                                    |             |             | 3.6         | 1.2         | 3.6         | 1.2   |       |       |       |       |                    | 9     | 9        | 4        |
| 13 / 39      |                                     |            | 1.2       |            |          | 1.2                                | 8.4         |             |             |             |             |       |       |       |       |       |                    | 9     | 9        | 5        |
| 14 / 37      |                                     | 3.6        |           |            |          | 1.2                                | 6.0         |             |             |             |             |       |       |       |       |       |                    | 9     | 9        | 11       |
| 15 / 35      |                                     |            |           | 1.2        |          |                                    | 2.4         | 1.2         |             |             |             |       |       |       |       |       |                    | 5     | 4        | 8        |
| 16 / 33      |                                     | 2.4        |           |            |          |                                    | 2.4         | 1.2         |             |             |             |       |       |       |       |       |                    | 5     | 5        | 4        |
| 17 / 31      |                                     |            |           |            |          | 1.2                                |             |             |             |             |             |       |       |       |       |       |                    | 1     | 1        | 17       |
| 18 / 29      |                                     |            |           |            |          |                                    |             |             |             |             |             |       |       |       |       |       |                    |       |          | 4        |
| 19 / 27      |                                     |            |           |            |          |                                    |             |             |             |             |             |       |       |       |       |       |                    |       |          | 12       |
| 20 / 25      |                                     |            |           |            |          |                                    |             |             |             |             |             |       |       |       |       |       |                    |       |          | 4        |
| 21 / 23      |                                     |            |           |            |          |                                    |             |             |             |             |             |       |       |       |       |       |                    |       |          | 3        |
| 22 / 21      |                                     |            |           |            |          |                                    |             |             |             |             |             |       |       |       |       |       |                    |       |          | 4        |
| 23 / 19      |                                     |            |           |            |          |                                    |             |             |             |             |             |       |       |       |       |       |                    |       |          | 2        |
| 24 / 17      |                                     |            |           |            |          |                                    |             |             |             |             |             |       |       |       |       |       |                    |       |          | 5        |
| 25 / 15      |                                     |            |           |            |          |                                    |             |             |             |             |             |       |       |       |       |       |                    |       |          | 3        |
| 26 / 13      |                                     |            |           |            |          |                                    |             |             |             |             |             |       |       |       |       |       |                    |       |          | 3        |
| 27 / 11      |                                     |            |           |            |          |                                    |             |             |             |             |             |       |       |       |       |       |                    |       |          | 1        |
| 28 / 9       |                                     |            |           |            |          |                                    |             |             |             |             |             |       |       |       |       |       |                    |       |          | 8        |
| 29 / 7       |                                     |            |           |            |          |                                    |             |             |             |             |             |       |       |       |       |       |                    |       |          | 7        |
| 30 / 5       |                                     |            |           |            |          |                                    |             |             |             |             |             |       |       |       |       |       |                    |       |          | 4        |
| 31 / 3       |                                     |            |           |            |          |                                    |             |             |             |             |             |       |       |       |       |       |                    |       |          | 4        |
| 32 / 1       |                                     |            |           |            |          |                                    |             |             |             |             |             |       |       |       |       |       |                    |       |          | 3        |
| 33 / -1      |                                     |            |           |            |          |                                    |             |             |             |             |             |       |       |       |       |       |                    |       |          | 4        |
| 34 / -3      |                                     |            |           |            |          |                                    |             |             |             |             |             |       |       |       |       |       |                    |       |          | 2        |
| 35 / -5      |                                     |            |           |            |          |                                    |             |             |             |             |             |       |       |       |       |       |                    |       |          | 2        |
| Element (X)  | $\Sigma X^2$                        | $\Sigma X$ | $\bar{X}$ | $\sigma_X$ | No. Obs. | Mean No. of Hours with Temperature |             |             |             |             |             |       |       |       |       |       |                    |       |          |          |
| Rel. Hum.    |                                     |            |           |            |          | $\leq 0$ F                         | $\leq 32$ F | $\geq 67$ F | $\geq 73$ F | $\geq 80$ F | $\geq 93$ F | Total |       |       |       |       |                    |       |          |          |
| Dry Bulb     |                                     |            |           |            |          |                                    |             |             |             |             |             |       |       |       |       |       |                    |       |          |          |
| Wet Bulb     |                                     |            |           |            |          |                                    |             |             |             |             |             |       |       |       |       |       |                    |       |          |          |
| Dew Point    |                                     |            |           |            |          |                                    |             |             |             |             |             |       |       |       |       |       |                    |       |          |          |

USAFETAC FORM 0-26.5 (OL A) JUL 64  
REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

## PSYCHROMETRIC SUMMARY

|         |                                  |    |
|---------|----------------------------------|----|
| 0001    | MAUI OPTICAL SITE HI NORTH TOWER | 79 |
| STATION | STATION NAME                     |    |

259

PAGE 2 1800-2000  
HOURS (L. S. T.)

| Temp.<br>(F) | WET BULB TEMPERATURE DEPRESSION (F) |     |     |     |     |      |       |       |       |       |       |       |       |       |       |       |      |           | TOTAL    | TOTAL    |           |  |
|--------------|-------------------------------------|-----|-----|-----|-----|------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|------|-----------|----------|----------|-----------|--|
|              | 0                                   | 1-2 | 3-4 | 5-6 | 7-8 | 9-10 | 11-12 | 13-14 | 15-16 | 17-18 | 19-20 | 21-22 | 23-24 | 25-26 | 27-28 | 29-30 | ≥ 31 | D.B./W.B. | Dry Bulb | Wet Bulb | Dew Point |  |
| -r/-7        |                                     |     |     |     |     |      |       |       |       |       |       |       |       |       |       |       |      |           |          |          |           |  |
| -1/-13       |                                     |     |     |     |     |      |       |       |       |       |       |       |       |       |       |       |      |           |          |          |           |  |
| -1/-17       |                                     |     |     |     |     |      |       |       |       |       |       |       |       |       |       |       |      |           |          |          |           |  |
| -1/-19       |                                     |     |     |     |     |      |       |       |       |       |       |       |       |       |       |       |      |           |          |          |           |  |
| -2/-23       |                                     |     |     |     |     |      |       |       |       |       |       |       |       |       |       |       |      |           |          |          |           |  |
| -c/-29       |                                     |     |     |     |     |      |       |       |       |       |       |       |       |       |       |       |      |           |          |          |           |  |
| TOTL         |                                     | 6.0 | 1.2 | 6.0 | 4.8 | 15.7 | 33.7  | 15.7  | 10.8  | 4.8   | 1.2   |       |       |       |       |       |      | 83        | 83       | 83       | 83        |  |
|              |                                     |     |     |     |     |      |       |       |       |       |       |       |       |       |       |       |      |           |          |          |           |  |
|              |                                     |     |     |     |     |      |       |       |       |       |       |       |       |       |       |       |      |           |          |          |           |  |
|              |                                     |     |     |     |     |      |       |       |       |       |       |       |       |       |       |       |      |           |          |          |           |  |
|              |                                     |     |     |     |     |      |       |       |       |       |       |       |       |       |       |       |      |           |          |          |           |  |
|              |                                     |     |     |     |     |      |       |       |       |       |       |       |       |       |       |       |      |           |          |          |           |  |
|              |                                     |     |     |     |     |      |       |       |       |       |       |       |       |       |       |       |      |           |          |          |           |  |
|              |                                     |     |     |     |     |      |       |       |       |       |       |       |       |       |       |       |      |           |          |          |           |  |
|              |                                     |     |     |     |     |      |       |       |       |       |       |       |       |       |       |       |      |           |          |          |           |  |
|              |                                     |     |     |     |     |      |       |       |       |       |       |       |       |       |       |       |      |           |          |          |           |  |
|              |                                     |     |     |     |     |      |       |       |       |       |       |       |       |       |       |       |      |           |          |          |           |  |
|              |                                     |     |     |     |     |      |       |       |       |       |       |       |       |       |       |       |      |           |          |          |           |  |
|              |                                     |     |     |     |     |      |       |       |       |       |       |       |       |       |       |       |      |           |          |          |           |  |
|              |                                     |     |     |     |     |      |       |       |       |       |       |       |       |       |       |       |      |           |          |          |           |  |
|              |                                     |     |     |     |     |      |       |       |       |       |       |       |       |       |       |       |      |           |          |          |           |  |
|              |                                     |     |     |     |     |      |       |       |       |       |       |       |       |       |       |       |      |           |          |          |           |  |
|              |                                     |     |     |     |     |      |       |       |       |       |       |       |       |       |       |       |      |           |          |          |           |  |
|              |                                     |     |     |     |     |      |       |       |       |       |       |       |       |       |       |       |      |           |          |          |           |  |
|              |                                     |     |     |     |     |      |       |       |       |       |       |       |       |       |       |       |      |           |          |          |           |  |
|              |                                     |     |     |     |     |      |       |       |       |       |       |       |       |       |       |       |      |           |          |          |           |  |
|              |                                     |     |     |     |     |      |       |       |       |       |       |       |       |       |       |       |      |           |          |          |           |  |
|              |                                     |     |     |     |     |      |       |       |       |       |       |       |       |       |       |       |      |           |          |          |           |  |
|              |                                     |     |     |     |     |      |       |       |       |       |       |       |       |       |       |       |      |           |          |          |           |  |
|              |                                     |     |     |     |     |      |       |       |       |       |       |       |       |       |       |       |      |           |          |          |           |  |
|              |                                     |     |     |     |     |      |       |       |       |       |       |       |       |       |       |       |      |           |          |          |           |  |
|              |                                     |     |     |     |     |      |       |       |       |       |       |       |       |       |       |       |      |           |          |          |           |  |
|              |                                     |     |     |     |     |      |       |       |       |       |       |       |       |       |       |       |      |           |          |          |           |  |
|              |                                     |     |     |     |     |      |       |       |       |       |       |       |       |       |       |       |      |           |          |          |           |  |
|              |                                     |     |     |     |     |      |       |       |       |       |       |       |       |       |       |       |      |           |          |          |           |  |
|              |                                     |     |     |     |     |      |       |       |       |       |       |       |       |       |       |       |      |           |          |          |           |  |
|              |                                     |     |     |     |     |      |       |       |       |       |       |       |       |       |       |       |      |           |          |          |           |  |
|              |                                     |     |     |     |     |      |       |       |       |       |       |       |       |       |       |       |      |           |          |          |           |  |
|              |                                     |     |     |     |     |      |       |       |       |       |       |       |       |       |       |       |      |           |          |          |           |  |
|              |                                     |     |     |     |     |      |       |       |       |       |       |       |       |       |       |       |      |           |          |          |           |  |
|              |                                     |     |     |     |     |      |       |       |       |       |       |       |       |       |       |       |      |           |          |          |           |  |
|              |                                     |     |     |     |     |      |       |       |       |       |       |       |       |       |       |       |      |           |          |          |           |  |
|              |                                     |     |     |     |     |      |       |       |       |       |       |       |       |       |       |       |      |           |          |          |           |  |
|              |                                     |     |     |     |     |      |       |       |       |       |       |       |       |       |       |       |      |           |          |          |           |  |
|              |                                     |     |     |     |     |      |       |       |       |       |       |       |       |       |       |       |      |           |          |          |           |  |
|              |                                     |     |     |     |     |      |       |       |       |       |       |       |       |       |       |       |      |           |          |          |           |  |
|              |                                     |     |     |     |     |      |       |       |       |       |       |       |       |       |       |       |      |           |          |          |           |  |
|              |                                     |     |     |     |     |      |       |       |       |       |       |       |       |       |       |       |      |           |          |          |           |  |
|              |                                     |     |     |     |     |      |       |       |       |       |       |       |       |       |       |       |      |           |          |          |           |  |
|              |                                     |     |     |     |     |      |       |       |       |       |       |       |       |       |       |       |      |           |          |          |           |  |
|              |                                     |     |     |     |     |      |       |       |       |       |       |       |       |       |       |       |      |           |          |          |           |  |
|              |                                     |     |     |     |     |      |       |       |       |       |       |       |       |       |       |       |      |           |          |          |           |  |
|              |                                     |     |     |     |     |      |       |       |       |       |       |       |       |       |       |       |      |           |          |          |           |  |
|              |                                     |     |     |     |     |      |       |       |       |       |       |       |       |       |       |       |      |           |          |          |           |  |
|              |                                     |     |     |     |     |      |       |       |       |       |       |       |       |       |       |       |      |           |          |          |           |  |
|              |                                     |     |     |     |     |      |       |       |       |       |       |       |       |       |       |       |      |           |          |          |           |  |
|              |                                     |     |     |     |     |      |       |       |       |       |       |       |       |       |       |       |      |           |          |          |           |  |
|              |                                     |     |     |     |     |      |       |       |       |       |       |       |       |       |       |       |      |           |          |          |           |  |
|              |                                     |     |     |     |     |      |       |       |       |       |       |       |       |       |       |       |      |           |          |          |           |  |

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

# PSYCHROMETRIC SUMMARY

0001 MAUI OPTICAL SITE HI NORTH TOWER 79

SEP  
MONTH

PAGE 1 2100-2300  
HOURS (L. S. Y.)

| Temp.<br>(F) | WET BULB TEMPERATURE DEPRESSION (F) |     |     |     |     |      |       |       |       |       |          |       |                                    |        |        |        |        |        |    |  |       | TOTAL<br>D.B./W.B. | TOTAL |   |  |
|--------------|-------------------------------------|-----|-----|-----|-----|------|-------|-------|-------|-------|----------|-------|------------------------------------|--------|--------|--------|--------|--------|----|--|-------|--------------------|-------|---|--|
|              | 0                                   | 1-2 | 3-4 | 5-6 | 7-8 | 9-10 | 11-12 | 13-14 | 15-16 | 17-18 | 19-20    | 21-22 | 23-24                              | 25-26  | 27-28  | 29-30  | ≥ 31   | TOTAL  |    |  | TOTAL |                    |       |   |  |
| 59           |                                     |     |     |     | 1.2 |      | 1.2   | 1.2   |       |       |          |       |                                    |        |        |        |        | 3      | 3  |  |       |                    |       |   |  |
| 57           |                                     |     |     |     |     | 1.2  |       |       | 1.2   |       |          |       |                                    |        |        |        |        | 2      | 2  |  |       |                    |       |   |  |
| 55           |                                     |     |     |     | 2.4 |      |       |       | 1.2   |       |          |       |                                    |        |        |        |        | 3      | 3  |  |       |                    |       |   |  |
| 53           |                                     |     |     |     |     |      | 1.2   |       | 1.2   | 2.4   | 1.2      |       |                                    |        |        |        |        | 5      | 5  |  |       |                    |       |   |  |
| 51           |                                     |     |     |     |     |      |       | 1.2   | 1.2   | 1.2   |          |       |                                    |        |        |        |        | 4      | 4  |  |       |                    |       |   |  |
| 49           |                                     |     |     | 1.2 |     |      |       |       | 2.4   | 1.2   |          |       |                                    |        |        |        |        | 4      | 4  |  |       |                    |       |   |  |
| 47           |                                     |     |     |     |     | 2.4  |       | 1.2   | 4.8   | 3.6   |          |       |                                    |        |        |        |        | 10     | 10 |  |       |                    |       |   |  |
| 45           |                                     |     |     |     |     |      | 1.2   | 1.2   | 3.6   |       |          |       |                                    |        |        |        |        | 5      | 5  |  |       |                    |       | 1 |  |
| 43           |                                     |     |     | 2.4 |     |      |       |       | 4.8   | 1.2   |          |       |                                    |        |        |        |        | 7      | 7  |  |       |                    |       | 1 |  |
| 41           |                                     |     |     | 1.2 |     |      | 2.4   | 3.6   | 1.2   |       |          |       |                                    |        |        |        |        | 7      | 7  |  |       |                    |       | 1 |  |
| 39           |                                     |     |     |     |     | 2.4  | 7.2   | 1.2   |       |       |          |       |                                    |        |        |        |        | 9      | 9  |  |       |                    |       | 1 |  |
| 37           |                                     |     |     | 2.4 | 2.4 | 1.2  | 6.1   | 1.2   |       |       |          |       |                                    |        |        |        |        | 11     | 11 |  |       |                    |       | 2 |  |
| 35           |                                     |     |     |     |     |      | 1.2   | 3.6   | 2.4   |       |          |       |                                    |        |        |        |        | 6      | 6  |  |       |                    |       |   |  |
| 33           |                                     |     |     |     |     |      | 1.2   | 2.4   |       |       |          |       |                                    |        |        |        |        | 3      | 3  |  |       |                    |       | 1 |  |
| 31           |                                     | 1.2 |     |     |     |      |       | 1.2   |       |       |          |       |                                    |        |        |        |        | 2      | 2  |  |       |                    |       |   |  |
| 29           |                                     |     |     |     | 1.2 |      |       |       |       |       |          |       |                                    |        |        |        |        | 1      | 1  |  |       |                    |       | 5 |  |
| 27           |                                     |     |     |     |     |      |       |       |       |       |          |       |                                    |        |        |        |        |        |    |  |       |                    |       | 3 |  |
| 25           |                                     |     |     | 1.2 |     |      |       |       |       |       |          |       |                                    |        |        |        |        | 1      | 1  |  |       |                    |       | 2 |  |
| 23           |                                     |     |     |     |     |      |       |       |       |       |          |       |                                    |        |        |        |        |        |    |  |       |                    |       |   |  |
| 21           |                                     |     |     |     |     |      |       |       |       |       |          |       |                                    |        |        |        |        |        |    |  |       |                    |       | 2 |  |
| 19           |                                     |     |     |     |     |      |       |       |       |       |          |       |                                    |        |        |        |        |        |    |  |       |                    |       | 3 |  |
| 17           |                                     |     |     |     |     |      |       |       |       |       |          |       |                                    |        |        |        |        |        |    |  |       |                    |       | 2 |  |
| 15           |                                     |     |     |     |     |      |       |       |       |       |          |       |                                    |        |        |        |        |        |    |  |       |                    |       | 7 |  |
| 13           |                                     |     |     |     |     |      |       |       |       |       |          |       |                                    |        |        |        |        |        |    |  |       |                    |       | 3 |  |
| 11           |                                     |     |     |     |     |      |       |       |       |       |          |       |                                    |        |        |        |        |        |    |  |       |                    |       | 2 |  |
| 9            |                                     |     |     |     |     |      |       |       |       |       |          |       |                                    |        |        |        |        |        |    |  |       |                    |       | 6 |  |
| 7            |                                     |     |     |     |     |      |       |       |       |       |          |       |                                    |        |        |        |        |        |    |  |       |                    |       | 7 |  |
| 5            |                                     |     |     |     |     |      |       |       |       |       |          |       |                                    |        |        |        |        |        |    |  |       |                    |       | 9 |  |
| 3            |                                     |     |     |     |     |      |       |       |       |       |          |       |                                    |        |        |        |        |        |    |  |       |                    |       | 5 |  |
| 1            |                                     |     |     |     |     |      |       |       |       |       |          |       |                                    |        |        |        |        |        |    |  |       |                    |       | 4 |  |
| -1           |                                     |     |     |     |     |      |       |       |       |       |          |       |                                    |        |        |        |        |        |    |  |       |                    |       | 2 |  |
| -3           |                                     |     |     |     |     |      |       |       |       |       |          |       |                                    |        |        |        |        |        |    |  |       |                    |       | 2 |  |
| -5           |                                     |     |     |     |     |      |       |       |       |       |          |       |                                    |        |        |        |        |        |    |  |       |                    |       | 1 |  |
| -7           |                                     |     |     |     |     |      |       |       |       |       |          |       |                                    |        |        |        |        |        |    |  |       |                    |       | 1 |  |
| Element (X)  | Σ X <sup>2</sup>                    |     | Σ X |     | Σ   |      | Σ     |       | Σ     |       | No. Obs. |       | Mean No. of Hours with Temperature |        |        |        |        |        |    |  |       |                    | Total |   |  |
| Rel. Hum.    |                                     |     |     |     |     |      |       |       |       |       |          |       | ≤ 0 F                              | ≤ 32 F | ≥ 67 F | ≥ 73 F | ≥ 80 F | ≥ 9° F |    |  |       |                    |       |   |  |
| Dry Bulb     |                                     |     |     |     |     |      |       |       |       |       |          |       |                                    |        |        |        |        |        |    |  |       |                    |       |   |  |
| Wet Bulb     |                                     |     |     |     |     |      |       |       |       |       |          |       |                                    |        |        |        |        |        |    |  |       |                    |       |   |  |
| Dew Point    |                                     |     |     |     |     |      |       |       |       |       |          |       |                                    |        |        |        |        |        |    |  |       |                    |       |   |  |

USAFETAC FORM 0-26-5 (OLA) JUL 64 REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

## PSYCHROMETRIC SUMMARY

| STATION | STATION NAME                     |    |
|---------|----------------------------------|----|
| 0001    | MAUI OPTICAL SITE HI NORTH TOWER | 79 |

SEP  
MONTH

PAGE 2 2100-2300  
HOURS (L. S. T.)

| Temp.<br>(F) | WET BULB TEMPERATURE DEPRESSION (F) |       |       |       |       |        |         |         |         |         |         |         |         |         |         |         |      | TOTAL     | TOTAL    |          |           |
|--------------|-------------------------------------|-------|-------|-------|-------|--------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|------|-----------|----------|----------|-----------|
|              | 0                                   | 1 - 2 | 3 - 4 | 5 - 6 | 7 - 8 | 9 - 10 | 11 - 12 | 13 - 14 | 15 - 16 | 17 - 18 | 19 - 20 | 21 - 22 | 23 - 24 | 25 - 26 | 27 - 28 | 29 - 30 | ≥ 31 | D.B./W.B. | Dry Bulb | Wet Bulb | Dew Point |
| - / -9       |                                     |       |       |       |       |        |         |         |         |         |         |         |         |         |         |         |      |           |          |          | 3         |
| - / -11      |                                     |       |       |       |       |        |         |         |         |         |         |         |         |         |         |         |      |           |          |          | 2         |
| - / -15      |                                     |       |       |       |       |        |         |         |         |         |         |         |         |         |         |         |      |           |          |          | 1         |
| - / -21      |                                     |       |       |       |       |        |         |         |         |         |         |         |         |         |         |         |      |           |          |          | 1         |
| - / -31      |                                     |       |       |       |       |        |         |         |         |         |         |         |         |         |         |         |      |           |          |          | 2         |
| - / -33      |                                     |       |       |       |       |        |         |         |         |         |         |         |         |         |         |         |      |           |          |          | 1         |
| TOTAL        |                                     | 1.2   |       | 8.4   | 7.2   | 13.3   | 28.9    | 20.5    | 10.8    | 8.4     | 1.2     |         |         |         |         |         |      | 83        |          | 83       | 83        |
|              |                                     |       |       |       |       |        |         |         |         |         |         |         |         |         |         |         |      | 83        |          | 83       |           |
|              |                                     |       |       |       |       |        |         |         |         |         |         |         |         |         |         |         |      |           |          |          |           |
|              |                                     |       |       |       |       |        |         |         |         |         |         |         |         |         |         |         |      |           |          |          |           |
|              |                                     |       |       |       |       |        |         |         |         |         |         |         |         |         |         |         |      |           |          |          |           |
|              |                                     |       |       |       |       |        |         |         |         |         |         |         |         |         |         |         |      |           |          |          |           |
|              |                                     |       |       |       |       |        |         |         |         |         |         |         |         |         |         |         |      |           |          |          |           |
|              |                                     |       |       |       |       |        |         |         |         |         |         |         |         |         |         |         |      |           |          |          |           |
|              |                                     |       |       |       |       |        |         |         |         |         |         |         |         |         |         |         |      |           |          |          |           |
|              |                                     |       |       |       |       |        |         |         |         |         |         |         |         |         |         |         |      |           |          |          |           |
|              |                                     |       |       |       |       |        |         |         |         |         |         |         |         |         |         |         |      |           |          |          |           |
|              |                                     |       |       |       |       |        |         |         |         |         |         |         |         |         |         |         |      |           |          |          |           |
|              |                                     |       |       |       |       |        |         |         |         |         |         |         |         |         |         |         |      |           |          |          |           |
|              |                                     |       |       |       |       |        |         |         |         |         |         |         |         |         |         |         |      |           |          |          |           |
|              |                                     |       |       |       |       |        |         |         |         |         |         |         |         |         |         |         |      |           |          |          |           |
|              |                                     |       |       |       |       |        |         |         |         |         |         |         |         |         |         |         |      |           |          |          |           |
|              |                                     |       |       |       |       |        |         |         |         |         |         |         |         |         |         |         |      |           |          |          |           |
|              |                                     |       |       |       |       |        |         |         |         |         |         |         |         |         |         |         |      |           |          |          |           |
|              |                                     |       |       |       |       |        |         |         |         |         |         |         |         |         |         |         |      |           |          |          |           |
|              |                                     |       |       |       |       |        |         |         |         |         |         |         |         |         |         |         |      |           |          |          |           |
|              |                                     |       |       |       |       |        |         |         |         |         |         |         |         |         |         |         |      |           |          |          |           |
|              |                                     |       |       |       |       |        |         |         |         |         |         |         |         |         |         |         |      |           |          |          |           |
|              |                                     |       |       |       |       |        |         |         |         |         |         |         |         |         |         |         |      |           |          |          |           |
|              |                                     |       |       |       |       |        |         |         |         |         |         |         |         |         |         |         |      |           |          |          |           |
|              |                                     |       |       |       |       |        |         |         |         |         |         |         |         |         |         |         |      |           |          |          |           |
|              |                                     |       |       |       |       |        |         |         |         |         |         |         |         |         |         |         |      |           |          |          |           |
|              |                                     |       |       |       |       |        |         |         |         |         |         |         |         |         |         |         |      |           |          |          |           |
|              |                                     |       |       |       |       |        |         |         |         |         |         |         |         |         |         |         |      |           |          |          |           |
|              |                                     |       |       |       |       |        |         |         |         |         |         |         |         |         |         |         |      |           |          |          |           |
|              |                                     |       |       |       |       |        |         |         |         |         |         |         |         |         |         |         |      |           |          |          |           |
|              |                                     |       |       |       |       |        |         |         |         |         |         |         |         |         |         |         |      |           |          |          |           |
|              |                                     |       |       |       |       |        |         |         |         |         |         |         |         |         |         |         |      |           |          |          |           |
|              |                                     |       |       |       |       |        |         |         |         |         |         |         |         |         |         |         |      |           |          |          |           |
|              |                                     |       |       |       |       |        |         |         |         |         |         |         |         |         |         |         |      |           |          |          |           |
|              |                                     |       |       |       |       |        |         |         |         |         |         |         |         |         |         |         |      |           |          |          |           |
|              |                                     |       |       |       |       |        |         |         |         |         |         |         |         |         |         |         |      |           |          |          |           |
|              |                                     |       |       |       |       |        |         |         |         |         |         |         |         |         |         |         |      |           |          |          |           |
|              |                                     |       |       |       |       |        |         |         |         |         |         |         |         |         |         |         |      |           |          |          |           |
|              |                                     |       |       |       |       |        |         |         |         |         |         |         |         |         |         |         |      |           |          |          |           |
|              |                                     |       |       |       |       |        |         |         |         |         |         |         |         |         |         |         |      |           |          |          |           |
|              |                                     |       |       |       |       |        |         |         |         |         |         |         |         |         |         |         |      |           |          |          |           |
|              |                                     |       |       |       |       |        |         |         |         |         |         |         |         |         |         |         |      |           |          |          |           |
|              |                                     |       |       |       |       |        |         |         |         |         |         |         |         |         |         |         |      |           |          |          |           |
|              |                                     |       |       |       |       |        |         |         |         |         |         |         |         |         |         |         |      |           |          |          |           |
|              |                                     |       |       |       |       |        |         |         |         |         |         |         |         |         |         |         |      |           |          |          |           |
|              |                                     |       |       |       |       |        |         |         |         |         |         |         |         |         |         |         |      |           |          |          |           |
|              |                                     |       |       |       |       |        |         |         |         |         |         |         |         |         |         |         |      |           |          |          |           |
|              |                                     |       |       |       |       |        |         |         |         |         |         |         |         |         |         |         |      |           |          |          |           |
|              |                                     |       |       |       |       |        |         |         |         |         |         |         |         |         |         |         |      |           |          |          |           |
|              |                                     |       |       |       |       |        |         |         |         |         |         |         |         |         |         |         |      |           |          |          |           |
|              |                                     |       |       |       |       |        |         |         |         |         |         |         |         |         |         |         |      |           |          |          |           |

## PSYCHROMETRIC SUMMARY

\_\_\_\_\_  
YEARS

\_\_\_\_\_  
SEP  
MONTH

PAGE 2 ALL  
HOURS (L. S. T.)

USAFETAC FORM 0-26-5 (01 A) REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE



## PSYCHROMETRIC SUMMARY

SEP  
MONTH

ALL

HOURS (L, S, T.)

**USAFETAC**  
**FORM**  
**0-26-5 (OLA)**  
**REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE**  
**JUL 64**

## PSYCHROMETRIC SUMMARY

| STATION | STATION NAME                      |    |
|---------|-----------------------------------|----|
| 0104    | HAUAI OPTICAL SITE HI NORTH TOWER | 79 |

YEARS

OCT  
MONTH

PAGE 1

0000-0200  
HOURS (L. S. T.)

[illegible]

## PSYCHROMETRIC SUMMARY

**YEARS**

OCT  
MONTH

PAGE 1

0300-0500  
HOURS (L. S. T.)

[illegible]

## PSYCHROMETRIC SUMMARY

OCT  
MONTH

STATION

STATION NAME

**YEARS**

MONTH

PAGE 1 0600-0800  
HOURS (L. S. T.)

[illegible]

## PSYCHROMETRIC SUMMARY

| STATION | STATION NAME                     |    |
|---------|----------------------------------|----|
| 0001    | MAUI OPTICAL SITE HI NORTH TOWER | 79 |

OCT  
MONTH

PAGE 1 0900-1100  
HOURS (L. S. T.)

[illegible]

## PSYCHROMETRIC SUMMARY

|         |                                  |    |
|---------|----------------------------------|----|
| 0701    | MAUI OPTICAL SITE HI NORTH TOWER | 79 |
| STATION | STATION NAME                     |    |

001  
MONTH

PAGE 1 1200-1400  
HOURS (L. S. T.)

[illegible]

## PSYCHROMETRIC SUMMARY

YEARS

OCT  
MONTH

PAGE 1 1500-1700  
HOURS (L. S. T.)

0-26-5 (OL A)  
REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE  
FORM  
411 44

**USAFETAC**





## PSYCHROMETRIC SUMMARY

| STATION | STATION NAME                     |    |
|---------|----------------------------------|----|
| 0001    | MAUI OPTICAL SITE HI NORTH TOWER | 79 |

OCT  
MONTH

PAGE 1 2100-2300  
HOURS (L. S. T.)

[illegible]

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

# PSYCHROMETRIC SUMMARY

STATION MAUI OPTICAL SITE HI NORTH TOWER 79

YEARS

OCT  
MONTH

PAGE 1

ALL  
HOURS (L. S. T.)

| Temp<br>(F) | WET BULB TEMPERATURE DEPRESSION (F) |            |           |            |          |                                    |        |        |        |        |        |       |       |       |       |       |      |          |          |           |     | TOTAL<br>D.B./W.B. | TOTAL |  |  |
|-------------|-------------------------------------|------------|-----------|------------|----------|------------------------------------|--------|--------|--------|--------|--------|-------|-------|-------|-------|-------|------|----------|----------|-----------|-----|--------------------|-------|--|--|
|             | 0                                   | 1-2        | 3-4       | 5-6        | 7-8      | 9-10                               | 11-12  | 13-14  | 15-16  | 17-18  | 19-20  | 21-22 | 23-24 | 25-26 | 27-28 | 29-30 | ≥ 31 | Dry Bulb | Wet Bulb | Dew Point |     |                    |       |  |  |
| 5 / 59      |                                     |            |           |            |          |                                    |        |        |        |        |        |       |       |       |       |       |      | 1        | 1        |           |     |                    |       |  |  |
| 5 / 55      |                                     |            |           |            |          |                                    |        |        |        |        |        |       |       |       |       |       |      | 3        | 3        |           |     |                    |       |  |  |
| 4 / 53      |                                     |            |           |            |          |                                    |        |        |        |        |        |       |       |       |       |       |      | 13       | 13       |           |     |                    |       |  |  |
| 2 / 51      |                                     |            |           |            |          |                                    |        |        |        |        |        |       |       |       |       |       |      | 14       | 16       |           |     |                    |       |  |  |
| 5 / 49      |                                     |            |           |            |          |                                    |        |        |        |        |        |       |       |       |       |       |      | 20       | 26       |           |     |                    |       |  |  |
| 4 / 47      |                                     |            |           |            |          |                                    |        |        |        |        |        |       |       |       |       |       |      | 39       | 55       |           |     |                    |       |  |  |
| 4 / 45      |                                     |            |           |            |          |                                    |        |        |        |        |        |       |       |       |       |       |      | 76       | 86       | 3         |     |                    |       |  |  |
| 4 / 43      |                                     |            |           |            |          |                                    |        |        |        |        |        |       |       |       |       |       |      | 88       | 101      | 1         |     |                    |       |  |  |
| 2 / 41      |                                     |            |           |            |          |                                    |        |        |        |        |        |       |       |       |       |       |      | 138      | 177      | 5         |     |                    |       |  |  |
| 4 / 39      |                                     |            |           |            |          |                                    |        |        |        |        |        |       |       |       |       |       |      | 100      | 148      | 16        |     |                    |       |  |  |
| 30 / 37     |                                     |            |           |            |          |                                    |        |        |        |        |        |       |       |       |       |       |      | 42       | 59       | 31        |     |                    |       |  |  |
| 30 / 35     |                                     |            |           |            |          |                                    |        |        |        |        |        |       |       |       |       |       |      | 12       | 29       | 75        |     |                    |       |  |  |
| 34 / 33     |                                     |            |           |            |          |                                    |        |        |        |        |        |       |       |       |       |       |      | 1        | 8        | 120       |     |                    |       |  |  |
| 32 / 31     |                                     |            |           |            |          |                                    |        |        |        |        |        |       |       |       |       |       |      |          | 3        | 152       |     |                    |       |  |  |
| 3 / 29      |                                     |            |           |            |          |                                    |        |        |        |        |        |       |       |       |       |       |      |          | 1        | 109       | 3   |                    |       |  |  |
| 26 / 27     |                                     |            |           |            |          |                                    |        |        |        |        |        |       |       |       |       |       |      |          |          | 32        | 4   |                    |       |  |  |
| 26 / 25     |                                     |            |           |            |          |                                    |        |        |        |        |        |       |       |       |       |       |      |          |          | 3         | 18  |                    |       |  |  |
| 2 / 23      |                                     |            |           |            |          |                                    |        |        |        |        |        |       |       |       |       |       |      |          |          |           | 25  |                    |       |  |  |
| 2 / 21      |                                     |            |           |            |          |                                    |        |        |        |        |        |       |       |       |       |       |      |          |          |           | 62  |                    |       |  |  |
| 1 / 19      |                                     |            |           |            |          |                                    |        |        |        |        |        |       |       |       |       |       |      |          |          |           | 79  |                    |       |  |  |
| 18 / 17     |                                     |            |           |            |          |                                    |        |        |        |        |        |       |       |       |       |       |      |          |          |           | 88  |                    |       |  |  |
| 13 / 15     |                                     |            |           |            |          |                                    |        |        |        |        |        |       |       |       |       |       |      |          |          |           | 123 |                    |       |  |  |
| 4 / 13      |                                     |            |           |            |          |                                    |        |        |        |        |        |       |       |       |       |       |      |          |          |           | 54  |                    |       |  |  |
| 1 / 11      |                                     |            |           |            |          |                                    |        |        |        |        |        |       |       |       |       |       |      |          |          |           | 25  |                    |       |  |  |
| 1 / 9       |                                     |            |           |            |          |                                    |        |        |        |        |        |       |       |       |       |       |      |          |          |           | 18  |                    |       |  |  |
| 3 / 7       |                                     |            |           |            |          |                                    |        |        |        |        |        |       |       |       |       |       |      |          |          |           | 16  |                    |       |  |  |
| 5 / 5       |                                     |            |           |            |          |                                    |        |        |        |        |        |       |       |       |       |       |      |          |          |           | 7   |                    |       |  |  |
| 4 / 3       |                                     |            |           |            |          |                                    |        |        |        |        |        |       |       |       |       |       |      |          |          |           | 9   |                    |       |  |  |
| 1 / 1       |                                     |            |           |            |          |                                    |        |        |        |        |        |       |       |       |       |       |      |          |          |           | 2   |                    |       |  |  |
| 1 / -1      |                                     |            |           |            |          |                                    |        |        |        |        |        |       |       |       |       |       |      |          |          |           | 3   |                    |       |  |  |
| 2 / -3      |                                     |            |           |            |          |                                    |        |        |        |        |        |       |       |       |       |       |      |          |          |           | 3   |                    |       |  |  |
| 2 / -5      |                                     |            |           |            |          |                                    |        |        |        |        |        |       |       |       |       |       |      |          |          |           | 2   |                    |       |  |  |
| 1 / -11     |                                     |            |           |            |          |                                    |        |        |        |        |        |       |       |       |       |       |      |          |          |           | 1   |                    |       |  |  |
| Element (X) | $\Sigma X'$                         | $\Sigma X$ | $\bar{X}$ | $\sigma_x$ | No. Obs. | Mean No. of Hours with Temperature |        |        |        |        |        | Total |       |       |       |       |      |          |          |           |     |                    |       |  |  |
| Rel. Hum.   |                                     |            |           |            |          | ≤ 0 F                              | ≤ 32 F | ≥ 67 F | ≥ 73 F | ≥ 80 F | ≥ 93 F |       |       |       |       |       |      |          |          |           |     |                    |       |  |  |
| Dry Bulb    |                                     |            |           |            |          |                                    |        |        |        |        |        |       |       |       |       |       |      |          |          |           |     |                    |       |  |  |
| Wet Bulb    |                                     |            |           |            |          |                                    |        |        |        |        |        |       |       |       |       |       |      |          |          |           |     |                    |       |  |  |
| Dew Point   |                                     |            |           |            |          |                                    |        |        |        |        |        |       |       |       |       |       |      |          |          |           |     |                    |       |  |  |

USAFETAC FORM 0-26-5 (OL A) JUL 64

REVISOR PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

## PSYCHROMETRIC SUMMARY

|         |                                  |    |
|---------|----------------------------------|----|
| 00001   | MAUI OPTICAL SITE HI NORTH TOWER | 79 |
| STATION | STATION NAME                     |    |

**YEARS**

OCT

MONTH

PAGE 2

A11

**HOURS (L, S, T.)**

[illegible]

## PSYCHROMETRIC SUMMARY

NOV

STATION

STATION NAME

**YEARS**

**MONTH**

HOURS (L, S, T.)

| Temp.<br>(F) | WET BULB TEMPERATURE DEPRESSION (F) |     |     |     |     |      |       |       |       |                |       |       |          |       |       |                                    |        |           |          |          |           | TOTAL | TOTAL |  |  |
|--------------|-------------------------------------|-----|-----|-----|-----|------|-------|-------|-------|----------------|-------|-------|----------|-------|-------|------------------------------------|--------|-----------|----------|----------|-----------|-------|-------|--|--|
|              | 0                                   | 1-2 | 3-4 | 5-6 | 7-8 | 9-10 | 11-12 | 13-14 | 15-16 | 17-18          | 19-20 | 21-22 | 23-24    | 25-26 | 27-28 | 29-30                              | ≥ 31   | D.B./W.B. | Dry Bulb | Wet Bulb | Dew Point |       |       |  |  |
| 54 / 53      |                                     |     |     |     |     |      |       |       |       | 1.0            | 1.0   |       |          |       |       |                                    |        | 2         | 2        |          |           |       |       |  |  |
| 52 / 51      |                                     |     |     |     |     |      |       |       |       | 2.0            |       |       |          |       |       |                                    |        | 2         | 2        |          |           |       |       |  |  |
| 51 / 49      |                                     |     |     |     |     |      |       |       |       | 1.0            | 10.2  |       |          |       |       |                                    |        | 11        | 11       |          |           |       |       |  |  |
| 48 / 47      |                                     |     |     |     |     |      | 1.0   | 1.0   | 1.0   | 7.1            | 3.1   |       |          |       |       |                                    |        | 13        | 15       |          |           |       |       |  |  |
| 48 / 45      |                                     | 1.0 |     |     |     |      | 5.1   | 1.0   | 2.0   | 10.2           |       |       |          |       |       |                                    |        | 19        | 20       |          |           |       |       |  |  |
| 44 / 43      |                                     |     |     | 1.0 | 2.0 |      |       | 2.0   | 4.1   | 5.1            |       |       |          |       |       |                                    |        | 14        | 14       |          |           |       |       |  |  |
| 42 / 41      |                                     |     | 2.0 | 4.1 | 2.0 | 1.0  |       |       | 4.1   | 1.0            |       |       |          |       |       |                                    |        | 14        | 14       |          | 1         |       |       |  |  |
| 41 / 39      |                                     |     |     | 5.1 |     |      |       |       | 6.1   | 1.0            |       |       |          |       |       |                                    |        | 12        | 14       |          |           |       |       |  |  |
| 38 / 37      |                                     | 1.0 |     | 1.0 | 1.0 |      |       | 1.0   | 2.0   |                |       |       |          |       |       |                                    |        | 6         | 10       | 4        |           |       |       |  |  |
| 38 / 35      |                                     | 1.0 | 1.0 | 2.0 |     |      |       | 1.0   |       |                |       |       |          |       |       |                                    |        | 5         | 10       | 18       |           |       |       |  |  |
| 34 / 33      |                                     |     |     |     |     |      |       |       |       |                |       |       |          |       |       |                                    |        |           |          | 15       | 2         |       |       |  |  |
| 32 / 31      |                                     |     |     |     |     |      |       |       |       |                |       |       |          |       |       |                                    |        |           |          | 31       | 3         |       |       |  |  |
| 31 / 29      |                                     |     |     |     |     |      |       |       |       |                |       |       |          |       |       |                                    |        |           |          | 12       | 3         |       |       |  |  |
| 28 / 27      |                                     |     |     |     |     |      |       |       |       |                |       |       |          |       |       |                                    |        |           |          | 8        | 5         |       |       |  |  |
| 26 / 25      |                                     |     |     |     |     |      |       |       |       |                |       |       |          |       |       |                                    |        |           |          | 8        | 6         |       |       |  |  |
| 24 / 23      |                                     |     |     |     |     |      |       |       |       |                |       |       |          |       |       |                                    |        |           |          | 1        | 2         |       |       |  |  |
| 22 / 21      |                                     |     |     |     |     |      |       |       |       |                |       |       |          |       |       |                                    |        |           |          |          | 7         |       |       |  |  |
| 21 / 19      |                                     |     |     |     |     |      |       |       |       |                |       |       |          |       |       |                                    |        |           |          |          | 1         |       |       |  |  |
| 18 / 17      |                                     |     |     |     |     |      |       |       |       |                |       |       |          |       |       |                                    |        |           |          |          | 2         |       |       |  |  |
| 16 / 15      |                                     |     |     |     |     |      |       |       |       |                |       |       |          |       |       |                                    |        |           |          |          | 2         |       |       |  |  |
| 13 / 11      |                                     |     |     |     |     |      |       |       |       |                |       |       |          |       |       |                                    |        |           |          |          | 2         |       |       |  |  |
| 8 / 7        |                                     |     |     |     |     |      |       |       |       |                |       |       |          |       |       |                                    |        |           |          |          | 2         |       |       |  |  |
| 6 / 5        |                                     |     |     |     |     |      |       |       |       |                |       |       |          |       |       |                                    |        |           |          |          | 7         |       |       |  |  |
| 4 / 3        |                                     |     |     |     |     |      |       |       |       |                |       |       |          |       |       |                                    |        |           |          |          | 9         |       |       |  |  |
| 2 / 1        |                                     |     |     |     |     |      |       |       |       |                |       |       |          |       |       |                                    |        |           |          |          | 14        |       |       |  |  |
| 1 / -1       |                                     |     |     |     |     |      |       |       |       |                |       |       |          |       |       |                                    |        |           |          |          | 8         |       |       |  |  |
| -1 / -3      |                                     |     |     |     |     |      |       |       |       |                |       |       |          |       |       |                                    |        |           |          |          | 6         |       |       |  |  |
| -4 / -5      |                                     |     |     |     |     |      |       |       |       |                |       |       |          |       |       |                                    |        |           |          |          | 6         |       |       |  |  |
| -6 / -7      |                                     |     |     |     |     |      |       |       |       |                |       |       |          |       |       |                                    |        |           |          |          | 4         |       |       |  |  |
| -6 / -9      |                                     |     |     |     |     |      |       |       |       |                |       |       |          |       |       |                                    |        |           |          |          | 1         |       |       |  |  |
| -1 / -11     |                                     |     |     |     |     |      |       |       |       |                |       |       |          |       |       |                                    |        |           |          |          | 2         |       |       |  |  |
| -11 / -13    |                                     |     |     |     |     |      |       |       |       |                |       |       |          |       |       |                                    |        |           |          |          | 2         |       |       |  |  |
| -18 / -19    |                                     |     |     |     |     |      |       |       |       |                |       |       |          |       |       |                                    |        |           |          |          | 1         |       |       |  |  |
| Element (X)  | Σ X <sup>2</sup>                    |     |     | Σ X |     |      | X̄    |       |       | σ <sub>x</sub> |       |       | No. Obs. |       |       | Mean No. of Hours with Temperature |        |           |          |          |           |       |       |  |  |
| Rel. Hum.    |                                     |     |     |     |     |      |       |       |       |                |       |       |          |       |       | ≤ 0 F                              | ≤ 32 F | ≥ 67 F    | ≥ 73 F   | ≥ 80 F   | ≥ 93 F    | Total |       |  |  |
| Dry Bulb     |                                     |     |     |     |     |      |       |       |       |                |       |       |          |       |       |                                    |        |           |          |          |           |       |       |  |  |
| Wet Bulb     |                                     |     |     |     |     |      |       |       |       |                |       |       |          |       |       |                                    |        |           |          |          |           |       |       |  |  |
| Dew Point    |                                     |     |     |     |     |      |       |       |       |                |       |       |          |       |       |                                    |        |           |          |          |           |       |       |  |  |

## PSYCHROMETRIC SUMMARY

|         |                                  |       |
|---------|----------------------------------|-------|
| 00001   | MAUI OPTICAL SITE HI NORTH TOWER | 77-79 |
| STATION | STATION NAME                     |       |

NOV  
MONTH

PAGE 2 0000-020  
HOURS (L. S. T.)

## PSYCHROMETRIC SUMMARY

**YEARS**

**MONTH**

HOURS (L. S. T.)

USAFETAC  
FORM 0-26-5 (OLA)  
JUL 64  
REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

## PSYCHROMETRIC SUMMARY

|         |                                  |       |
|---------|----------------------------------|-------|
| 00001   | MAUI OPTICAL SITE HI NORTH TOWER | 77-79 |
| STATION | STATION NAME                     |       |

NOV  
MONTH

PAGE 2 0300-0500  
HOURS (L. S. T.)

[illegible]

## PSYCHROMETRIC SUMMARY

**YEARS**

NOV  
MONTH

HOURS (L. S. T.)

| Temp.<br>(F) | WET BULB TEMPERATURE DEPRESSION (F) |     |     |     |     |      |       |       |       |          |       |                                    |       |        |       |        |      |           |          |          |           |        |  |       |  |  |  |  |  |  |  | TOTAL |  | TOTAL |  |  |
|--------------|-------------------------------------|-----|-----|-----|-----|------|-------|-------|-------|----------|-------|------------------------------------|-------|--------|-------|--------|------|-----------|----------|----------|-----------|--------|--|-------|--|--|--|--|--|--|--|-------|--|-------|--|--|
|              | 0                                   | 1-2 | 3-4 | 5-6 | 7-8 | 9-10 | 11-12 | 13-14 | 15-16 | 17-18    | 19-20 | 21-22                              | 23-24 | 25-26  | 27-28 | 29-30  | ≥ 31 | D.B./W.B. | Dry Bulb | Wet Bulb | Dew Point |        |  |       |  |  |  |  |  |  |  |       |  |       |  |  |
| 56/ 55       |                                     |     |     |     |     |      |       |       |       |          | 1.0   |                                    |       |        |       |        |      | 1         | 1        |          |           |        |  |       |  |  |  |  |  |  |  |       |  |       |  |  |
| 52/ 51       |                                     |     |     |     |     |      |       |       | 1.0   | 7.1      | 4.0   |                                    |       |        |       |        |      | 12        | 12       |          |           |        |  |       |  |  |  |  |  |  |  |       |  |       |  |  |
| 5 / 49       |                                     |     |     |     |     |      |       |       | 2.0   | 5.1      | 1.0   |                                    |       |        |       |        |      | 8         | 9        |          |           |        |  |       |  |  |  |  |  |  |  |       |  |       |  |  |
| 48/ 47       |                                     |     |     |     |     |      |       | 1.0   | 8.1   | 1.0      |       |                                    |       |        |       |        |      | 10        | 10       |          |           |        |  |       |  |  |  |  |  |  |  |       |  |       |  |  |
| 46/ 45       |                                     |     |     |     |     | 4.0  | 1.0   | 1.0   | 11.1  | 2.0      |       |                                    |       |        |       |        |      | 19        | 21       |          |           |        |  |       |  |  |  |  |  |  |  |       |  |       |  |  |
| 44/ 43       |                                     |     |     | 1.0 | 1.0 | 2.0  |       | 8.1   | 2.0   | 1.0      |       |                                    |       |        |       |        |      | 15        | 15       |          |           |        |  |       |  |  |  |  |  |  |  |       |  |       |  |  |
| 42/ 41       |                                     | 1.0 | 2.0 |     | 3.0 | 2.0  |       | 3.0   | 4.0   |          |       |                                    |       |        |       |        |      | 15        | 17       |          |           |        |  |       |  |  |  |  |  |  |  |       |  |       |  |  |
| 4 / 39       |                                     |     | 2.0 | 2.0 | 2.0 |      |       |       | 2.0   |          |       |                                    |       |        |       |        |      | 8         | 11       |          | 1         |        |  |       |  |  |  |  |  |  |  |       |  |       |  |  |
| 38/ 37       | 1.0                                 | 1.0 | 1.0 | 1.0 | 2.0 |      |       | 1.0   |       |          |       |                                    |       |        |       |        |      | 7         | 11       | 4        | 2         |        |  |       |  |  |  |  |  |  |  |       |  |       |  |  |
| 36/ 35       |                                     |     | 1.0 |     |     |      | 1.0   |       |       |          |       |                                    |       |        |       |        |      | 2         | 6        | 14       |           |        |  |       |  |  |  |  |  |  |  |       |  |       |  |  |
| 34/ 33       |                                     |     |     |     | 1.0 | 1.0  |       |       |       |          |       |                                    |       |        |       |        |      | 2         | 3        | 25       | 2         |        |  |       |  |  |  |  |  |  |  |       |  |       |  |  |
| 32/ 31       |                                     |     |     |     |     |      |       |       |       |          |       |                                    |       |        |       |        |      |           | 1        | 20       | 4         |        |  |       |  |  |  |  |  |  |  |       |  |       |  |  |
| 3 / 29       |                                     |     |     |     |     |      |       |       |       |          |       |                                    |       |        |       |        |      |           |          | 19       | 1         |        |  |       |  |  |  |  |  |  |  |       |  |       |  |  |
| 28/ 27       |                                     |     |     |     |     |      |       |       |       |          |       |                                    |       |        |       |        |      |           |          | 7        | 3         |        |  |       |  |  |  |  |  |  |  |       |  |       |  |  |
| 26/ 25       |                                     |     |     |     |     |      |       |       |       |          |       |                                    |       |        |       |        |      |           |          | 8        | 4         |        |  |       |  |  |  |  |  |  |  |       |  |       |  |  |
| 24/ 23       |                                     |     |     |     |     |      |       |       |       |          |       |                                    |       |        |       |        |      |           |          | 1        | 4         |        |  |       |  |  |  |  |  |  |  |       |  |       |  |  |
| 22/ 21       |                                     |     |     |     |     |      |       |       |       |          |       |                                    |       |        |       |        |      |           |          |          | 4         |        |  |       |  |  |  |  |  |  |  |       |  |       |  |  |
| 2 / 19       |                                     |     |     |     |     |      |       |       |       |          |       |                                    |       |        |       |        |      |           |          |          | 2         |        |  |       |  |  |  |  |  |  |  |       |  |       |  |  |
| 18/ 17       |                                     |     |     |     |     |      |       |       |       |          |       |                                    |       |        |       |        |      |           |          |          | 2         |        |  |       |  |  |  |  |  |  |  |       |  |       |  |  |
| 16/ 15       |                                     |     |     |     |     |      |       |       |       |          |       |                                    |       |        |       |        |      |           |          |          | 2         |        |  |       |  |  |  |  |  |  |  |       |  |       |  |  |
| 14/ 13       |                                     |     |     |     |     |      |       |       |       |          |       |                                    |       |        |       |        |      |           |          |          | 3         |        |  |       |  |  |  |  |  |  |  |       |  |       |  |  |
| 12/ 11       |                                     |     |     |     |     |      |       |       |       |          |       |                                    |       |        |       |        |      |           |          |          | 1         |        |  |       |  |  |  |  |  |  |  |       |  |       |  |  |
| 10/ 9        |                                     |     |     |     |     |      |       |       |       |          |       |                                    |       |        |       |        |      |           |          |          | 5         |        |  |       |  |  |  |  |  |  |  |       |  |       |  |  |
| 8/ 7         |                                     |     |     |     |     |      |       |       |       |          |       |                                    |       |        |       |        |      |           |          |          | 9         |        |  |       |  |  |  |  |  |  |  |       |  |       |  |  |
| 6/ 5         |                                     |     |     |     |     |      |       |       |       |          |       |                                    |       |        |       |        |      |           |          |          | 9         |        |  |       |  |  |  |  |  |  |  |       |  |       |  |  |
| 4/ 3         |                                     |     |     |     |     |      |       |       |       |          |       |                                    |       |        |       |        |      |           |          |          | 8         |        |  |       |  |  |  |  |  |  |  |       |  |       |  |  |
| 2/ 1         |                                     |     |     |     |     |      |       |       |       |          |       |                                    |       |        |       |        |      |           |          |          | 11        |        |  |       |  |  |  |  |  |  |  |       |  |       |  |  |
| 0/ -1        |                                     |     |     |     |     |      |       |       |       |          |       |                                    |       |        |       |        |      |           |          |          | 4         |        |  |       |  |  |  |  |  |  |  |       |  |       |  |  |
| -2/ -3       |                                     |     |     |     |     |      |       |       |       |          |       |                                    |       |        |       |        |      |           |          |          | 3         |        |  |       |  |  |  |  |  |  |  |       |  |       |  |  |
| -4/ -5       |                                     |     |     |     |     |      |       |       |       |          |       |                                    |       |        |       |        |      |           |          |          | 2         |        |  |       |  |  |  |  |  |  |  |       |  |       |  |  |
| -6/ -7       |                                     |     |     |     |     |      |       |       |       |          |       |                                    |       |        |       |        |      |           |          |          | 2         |        |  |       |  |  |  |  |  |  |  |       |  |       |  |  |
| -8/ -9       |                                     |     |     |     |     |      |       |       |       |          |       |                                    |       |        |       |        |      |           |          |          | 2         |        |  |       |  |  |  |  |  |  |  |       |  |       |  |  |
| -10/-13      |                                     |     |     |     |     |      |       |       |       |          |       |                                    |       |        |       |        |      |           |          |          | 2         |        |  |       |  |  |  |  |  |  |  |       |  |       |  |  |
| -14/-15      |                                     |     |     |     |     |      |       |       |       |          |       |                                    |       |        |       |        |      |           |          |          | 1         |        |  |       |  |  |  |  |  |  |  |       |  |       |  |  |
| -16/-17      |                                     |     |     |     |     |      |       |       |       |          |       |                                    |       |        |       |        |      |           |          |          | 3         |        |  |       |  |  |  |  |  |  |  |       |  |       |  |  |
| Element (X)  | Σ X <sup>2</sup>                    |     |     | Σ X |     | Σ    |       | Σ     |       | No. Obs. |       | Mean No. of Hours with Temperature |       |        |       |        |      |           |          |          |           |        |  |       |  |  |  |  |  |  |  |       |  |       |  |  |
| Rel. Hum.    |                                     |     |     |     |     |      |       |       |       |          |       | ≤ 0 F                              |       | ≤ 32 F |       | ≥ 67 F |      | ≥ 73 F    |          | ≥ 80 F   |           | ≥ 93 F |  | Total |  |  |  |  |  |  |  |       |  |       |  |  |
| Dry Bulb     |                                     |     |     |     |     |      |       |       |       |          |       |                                    |       |        |       |        |      |           |          |          |           |        |  |       |  |  |  |  |  |  |  |       |  |       |  |  |
| Wet Bulb     |                                     |     |     |     |     |      |       |       |       |          |       |                                    |       |        |       |        |      |           |          |          |           |        |  |       |  |  |  |  |  |  |  |       |  |       |  |  |
| Dew Point    |                                     |     |     |     |     |      |       |       |       |          |       |                                    |       |        |       |        |      |           |          |          |           |        |  |       |  |  |  |  |  |  |  |       |  |       |  |  |



## PSYCHROMETRIC SUMMARY

NOV  
MONTH

PAGE 2 0600-0800  
HOURS (L. S. T.)

[illegible]

USAFETAC FORM 0-26-5 (OL A)

## PSYCHROMETRIC SUMMARY

NOV  
MONTH

PAGE 1 0900-1100  
HOURS (L. S. T.)

## PSYCHROMETRIC SUMMARY

|         |                                  |       |
|---------|----------------------------------|-------|
| 00001   | MAUI OPTICAL SITE HI NORTH TOWER | 77-79 |
| STATION | STATION NAME                     |       |

NOV  
MONTH

PAGE 2 0900-1100  
HOURS (L. S. T.)

[illegible]

## PSYCHROMETRIC SUMMARY

\_\_\_\_\_  
YEARS

\_\_\_\_\_  
NOV  
MONTH

PAGE 1 1200-1400  
HOURS (L. S. T.)

| Temp.<br>(F) | WET BULB TEMPERATURE DEPRESSION (F) |     |     |            |     |      |           |            |          |       |                                    |       |       |       |       |       |      |          |          |           | TOTAL<br>D.B./W.B. | TOTAL |  |  |
|--------------|-------------------------------------|-----|-----|------------|-----|------|-----------|------------|----------|-------|------------------------------------|-------|-------|-------|-------|-------|------|----------|----------|-----------|--------------------|-------|--|--|
|              | 0                                   | 1-2 | 3-4 | 5-6        | 7-8 | 9-10 | 11-12     | 13-14      | 15-16    | 17-18 | 19-20                              | 21-22 | 23-24 | 25-26 | 27-28 | 29-30 | ≥ 31 | Dry Bulb | Wet Bulb | Dew Point |                    |       |  |  |
| 62/ 61       |                                     |     |     |            |     |      |           |            |          | 1.0   | 3.0                                | 2.0   |       |       |       |       |      | 6        | 6        |           |                    |       |  |  |
| 61/ 59       |                                     |     |     |            |     |      |           |            |          |       | 2.0                                | 1.0   |       |       |       |       |      | 3        | 3        |           |                    |       |  |  |
| 60/ 57       |                                     |     |     |            |     |      |           |            |          | 2.0   | 1.0                                | 6.0   |       |       |       |       |      | 9        | 9        |           |                    |       |  |  |
| 56/ 55       |                                     |     |     |            |     |      |           |            | 1.0      | 2.0   | 6.0                                | 8.0   |       |       |       |       |      | 17       | 17       |           |                    |       |  |  |
| 54/ 53       |                                     |     |     |            |     |      |           |            | 1.0      | 2.0   | 6.0                                | 2.0   |       |       |       |       |      | 11       | 11       |           |                    |       |  |  |
| 52/ 51       |                                     |     |     |            |     |      |           |            | 1.0      | 2.0   | 3.0                                |       |       |       |       |       |      | 6        | 7        |           |                    |       |  |  |
| 51/ 49       |                                     |     |     |            |     |      | 1.0       | 2.0        |          | 2.0   |                                    |       |       |       |       |       |      | 5        | 11       |           |                    |       |  |  |
| 48/ 47       |                                     |     | 1.0 |            | 1.0 | 1.0  | 1.0       | 1.0        | 3.0      |       |                                    |       |       |       |       |       |      | 8        | 9        |           |                    |       |  |  |
| 46/ 45       |                                     |     | 1.0 | 5.0        | 3.0 | 3.0  | 1.0       | 1.0        | 1.0      | 1.0   |                                    |       |       |       |       |       |      | 16       | 19       |           |                    |       |  |  |
| 44/ 43       |                                     |     |     | 1.0        | 2.0 | 6.0  |           |            |          | 1.0   |                                    |       |       |       |       |       |      | 10       | 12       | 3         |                    |       |  |  |
| 42/ 41       |                                     |     | 1.0 | 3.0        | 2.0 | 2.0  |           |            |          |       |                                    |       |       |       |       |       |      | 8        | 12       | 8         |                    |       |  |  |
| 41/ 39       |                                     |     |     | 1.0        |     |      |           |            |          |       |                                    |       |       |       |       |       |      | 1        | 3        | 17        |                    |       |  |  |
| 38/ 37       |                                     |     |     |            |     |      |           |            |          |       |                                    |       |       |       |       |       |      |          | 2        | 28        |                    |       |  |  |
| 35/ 35       |                                     |     |     |            |     |      |           |            |          |       |                                    |       |       |       |       |       |      |          |          | 24        |                    |       |  |  |
| 34/ 33       |                                     |     |     |            |     |      |           |            |          |       |                                    |       |       |       |       |       |      |          |          | 14        |                    |       |  |  |
| 32/ 31       |                                     |     |     |            |     |      |           |            |          |       |                                    |       |       |       |       |       |      |          |          | 3         |                    |       |  |  |
| 31/ 29       |                                     |     |     |            |     |      |           |            |          |       |                                    |       |       |       |       |       |      |          |          | 2         |                    |       |  |  |
| 28/ 27       |                                     |     |     |            |     |      |           |            |          |       |                                    |       |       |       |       |       |      |          |          | 1         |                    |       |  |  |
| 26/ 25       |                                     |     |     |            |     |      |           |            |          |       |                                    |       |       |       |       |       |      |          |          |           |                    |       |  |  |
| 24/ 23       |                                     |     |     |            |     |      |           |            |          |       |                                    |       |       |       |       |       |      |          |          |           |                    |       |  |  |
| 22/ 21       |                                     |     |     |            |     |      |           |            |          |       |                                    |       |       |       |       |       |      |          |          |           |                    |       |  |  |
| 21/ 19       |                                     |     |     |            |     |      |           |            |          |       |                                    |       |       |       |       |       |      |          |          |           |                    |       |  |  |
| 18/ 17       |                                     |     |     |            |     |      |           |            |          |       |                                    |       |       |       |       |       |      |          |          |           |                    |       |  |  |
| 16/ 15       |                                     |     |     |            |     |      |           |            |          |       |                                    |       |       |       |       |       |      |          |          |           |                    |       |  |  |
| 14/ 13       |                                     |     |     |            |     |      |           |            |          |       |                                    |       |       |       |       |       |      |          |          |           |                    |       |  |  |
| 12/ 11       |                                     |     |     |            |     |      |           |            |          |       |                                    |       |       |       |       |       |      |          |          |           |                    |       |  |  |
| 11/ 9        |                                     |     |     |            |     |      |           |            |          |       |                                    |       |       |       |       |       |      |          |          |           |                    |       |  |  |
| 10/ 7        |                                     |     |     |            |     |      |           |            |          |       |                                    |       |       |       |       |       |      |          |          |           |                    |       |  |  |
| 9/ 5         |                                     |     |     |            |     |      |           |            |          |       |                                    |       |       |       |       |       |      |          |          |           |                    |       |  |  |
| 8/ 3         |                                     |     |     |            |     |      |           |            |          |       |                                    |       |       |       |       |       |      |          |          |           |                    |       |  |  |
| 7/ 1         |                                     |     |     |            |     |      |           |            |          |       |                                    |       |       |       |       |       |      |          |          |           |                    |       |  |  |
| 6/ -1        |                                     |     |     |            |     |      |           |            |          |       |                                    |       |       |       |       |       |      |          |          |           |                    |       |  |  |
| -5/ -7       |                                     |     |     |            |     |      |           |            |          |       |                                    |       |       |       |       |       |      |          |          |           |                    |       |  |  |
| -11/ -11     |                                     |     |     |            |     |      |           |            |          |       |                                    |       |       |       |       |       |      |          |          |           |                    |       |  |  |
| Element (X)  | $\Sigma X^2$                        |     |     | $\Sigma X$ |     |      | $\bar{X}$ | $\sigma_x$ | No. Obs. |       | Mean No. of Hours with Temperature |       |       |       |       |       |      |          |          |           |                    |       |  |  |
| Rel. Hum.    |                                     |     |     |            |     |      |           |            |          |       |                                    |       |       |       |       |       |      |          |          |           |                    |       |  |  |

USAFETAC  
FORM  
NUL 64  
0-26-5 (OL A)  
REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

## PSYCHROMETRIC SUMMARY

NOV  
MONTH

PAGE 2 1200-1400  
HOURS (L. S. T.)

[illegible]

USAFETAC FORM 0-26-5 (C-A)  
REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

# PSYCHROMETRIC SUMMARY

0001 MAUI OPTICAL SITE HI NORTH TOWER 77-79

YEARS

NOV  
MONTH

PAGE 1 1500-1700  
HOURS (L. S. T.)

| Temp.<br>(F) | WET BULB TEMPERATURE DEPRESSION (F) |     |            |     |           |      |            |       |          |       |                                    |        |        |        |        |        |      |          |          |           | TOTAL<br>D.B./W.B. | TOTAL |  |  |
|--------------|-------------------------------------|-----|------------|-----|-----------|------|------------|-------|----------|-------|------------------------------------|--------|--------|--------|--------|--------|------|----------|----------|-----------|--------------------|-------|--|--|
|              | 0                                   | 1-2 | 3-4        | 5-6 | 7-8       | 9-10 | 11-12      | 13-14 | 15-16    | 17-18 | 19-20                              | 21-22  | 23-24  | 25-26  | 27-28  | 29-30  | ≥ 31 | Dry Bulb | Wet Bulb | Dew Point |                    |       |  |  |
| 62/ 61       |                                     |     |            |     |           |      |            |       | 1.0      |       |                                    | 1.0    |        |        |        |        |      | 3        | 3        |           |                    |       |  |  |
| 6 / 59       |                                     |     |            |     |           |      |            |       |          |       | 1.0                                |        | 1.0    |        |        | 1.0    |      | 2        | 2        |           |                    |       |  |  |
| 58/ 57       |                                     |     |            |     |           |      |            |       | 1.0      |       | 3.0                                | 1.0    |        |        |        |        |      | 6        | 6        |           |                    |       |  |  |
| 55/ 55       |                                     |     |            |     |           |      |            | 1.0   |          | 2.0   | 1.0                                |        |        |        |        |        |      | 6        | 6        |           |                    |       |  |  |
| 54/ 53       |                                     |     |            |     |           |      |            | 1.0   | 1.0      | 7.0   | 1.0                                |        |        |        |        |        |      | 13       | 13       |           |                    |       |  |  |
| 52/ 51       |                                     |     |            |     |           |      |            |       | 1.0      | 7.0   | 1.0                                |        |        |        |        |        |      | 12       | 12       |           |                    |       |  |  |
| 5 / 49       |                                     |     |            |     | 1.0       |      | 1.0        |       | 3.0      | 1.0   |                                    |        |        |        |        |        |      | 7        | 13       |           |                    |       |  |  |
| 48/ 47       |                                     |     |            |     | 2.0       |      | 1.0        |       | 5.0      | 1.0   |                                    |        |        |        |        |        |      | 11       | 12       |           |                    |       |  |  |
| 46/ 45       |                                     |     | 1.0        |     | 1.0       | 2.0  | 1.0        | 2.0   | 1.0      | 1.0   |                                    |        |        |        |        |        |      | 13       | 15       |           | 1                  |       |  |  |
| 44/ 43       |                                     |     | 1.0        | 1.0 | 1.0       | 3.0  | 1.0        |       | 1.0      |       |                                    |        |        |        |        |        |      | 10       | 10       |           | 1                  |       |  |  |
| 42/ 41       |                                     |     |            | 3.0 | 2.0       | 2.0  |            |       |          |       |                                    |        |        |        |        |        |      | 10       | 10       |           | 3                  |       |  |  |
| 4 / 39       |                                     |     | 1.0        | 2.0 | 1.0       | 1.0  |            |       |          |       |                                    |        |        |        |        |        |      | 6        | 13       | 10        |                    |       |  |  |
| 38/ 37       |                                     |     |            | 1.0 | 1.0       |      |            |       |          |       |                                    |        |        |        |        |        |      | 4        | 6        | 19        | 1                  |       |  |  |
| 36/ 35       |                                     |     |            |     |           |      |            |       |          |       |                                    |        |        |        |        |        |      |          | 1        | 29        | 1                  |       |  |  |
| 34/ 33       |                                     |     |            |     |           |      |            |       |          |       |                                    |        |        |        |        |        |      |          |          | 20        |                    |       |  |  |
| 32/ 31       |                                     |     |            |     |           |      |            |       |          |       |                                    |        |        |        |        |        |      |          |          | 14        | 5                  |       |  |  |
| 30/ 29       |                                     |     |            |     |           |      |            |       |          |       |                                    |        |        |        |        |        |      |          |          | 5         | 8                  |       |  |  |
| 28/ 27       |                                     |     |            |     |           |      |            |       |          |       |                                    |        |        |        |        |        |      |          |          | 1         | 6                  |       |  |  |
| 26/ 25       |                                     |     |            |     |           |      |            |       |          |       |                                    |        |        |        |        |        |      |          |          |           | 3                  |       |  |  |
| 24/ 23       |                                     |     |            |     |           |      |            |       |          |       |                                    |        |        |        |        |        |      |          |          |           | 6                  |       |  |  |
| 22/ 21       |                                     |     |            |     |           |      |            |       |          |       |                                    |        |        |        |        |        |      |          |          |           | 4                  |       |  |  |
| 2 / 19       |                                     |     |            |     |           |      |            |       |          |       |                                    |        |        |        |        |        |      |          |          |           | 7                  |       |  |  |
| 18/ 17       |                                     |     |            |     |           |      |            |       |          |       |                                    |        |        |        |        |        |      |          |          |           | 3                  |       |  |  |
| 16/ 15       |                                     |     |            |     |           |      |            |       |          |       |                                    |        |        |        |        |        |      |          |          |           | 4                  |       |  |  |
| 14/ 13       |                                     |     |            |     |           |      |            |       |          |       |                                    |        |        |        |        |        |      |          |          |           | 3                  |       |  |  |
| 12/ 11       |                                     |     |            |     |           |      |            |       |          |       |                                    |        |        |        |        |        |      |          |          |           | 5                  |       |  |  |
| 10/ 9        |                                     |     |            |     |           |      |            |       |          |       |                                    |        |        |        |        |        |      |          |          |           | 10                 |       |  |  |
| 8/ 7         |                                     |     |            |     |           |      |            |       |          |       |                                    |        |        |        |        |        |      |          |          |           | 14                 |       |  |  |
| 6/ 5         |                                     |     |            |     |           |      |            |       |          |       |                                    |        |        |        |        |        |      |          |          |           | 10                 |       |  |  |
| 4/ 3         |                                     |     |            |     |           |      |            |       |          |       |                                    |        |        |        |        |        |      |          |          |           | 2                  |       |  |  |
| 2/ 1         |                                     |     |            |     |           |      |            |       |          |       |                                    |        |        |        |        |        |      |          |          |           | 2                  |       |  |  |
| / -1         |                                     |     |            |     |           |      |            |       |          |       |                                    |        |        |        |        |        |      |          |          |           | 4                  |       |  |  |
| -2/ -3       |                                     |     |            |     |           |      |            |       |          |       |                                    |        |        |        |        |        |      |          |          |           | 1                  |       |  |  |
| -4/ -5       |                                     |     |            |     |           |      |            |       |          |       |                                    |        |        |        |        |        |      |          |          |           | 1                  |       |  |  |
| Element (X)  | $\Sigma X^2$                        |     | $\Sigma X$ |     | $\bar{X}$ |      | $\sigma_x$ |       | No. Obs. |       | Mean No. of Hours with Temperature |        |        |        |        |        |      |          |          |           | Total              |       |  |  |
| Rel. Hum.    |                                     |     |            |     |           |      |            |       |          |       | ≤ 0 F                              | ≤ 32 F | ≥ 67 F | ≥ 73 F | ≥ 80 F | ≥ 93 F |      |          |          |           |                    |       |  |  |
| Dry Bulb     |                                     |     |            |     |           |      |            |       |          |       |                                    |        |        |        |        |        |      |          |          |           |                    |       |  |  |
| Wet Bulb     |                                     |     |            |     |           |      |            |       |          |       |                                    |        |        |        |        |        |      |          |          |           |                    |       |  |  |
| Dew Point    |                                     |     |            |     |           |      |            |       |          |       |                                    |        |        |        |        |        |      |          |          |           |                    |       |  |  |

USAFETAC FORM 0-26-5 (OLA) JUL 64 REVISOR PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

## PSYCHROMETRIC SUMMARY

|         |                                  |       |
|---------|----------------------------------|-------|
| 00001   | MAUI OPTICAL SITE HI NORTH TOWER | 77-79 |
| STATION | STATION NAME                     |       |

NOV  
MONTH

PAGE 2 1500-1700  
HOURS (L. S. T.)

| Temp.<br>(F) | WET BULB TEMPERATURE DEPRESSION (F) |     |     |     |      |      |       |       |       |       |       |       |       |       |       |       |     | TOTAL     | TOTAL    |          |           |
|--------------|-------------------------------------|-----|-----|-----|------|------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-----|-----------|----------|----------|-----------|
|              | 0                                   | 1-2 | 3-4 | 5-6 | 7-8  | 9-10 | 11-12 | 13-14 | 15-16 | 17-18 | 19-20 | 21-22 | 23-24 | 25-26 | 27-28 | 29-30 | +31 | D.B./W.B. | Dry Bulb | Wet Bulb | Dew Point |
| -6/-7        |                                     |     |     |     |      |      |       |       |       |       |       |       |       |       |       |       |     |           |          |          | 1         |
| -8/-9        |                                     |     |     |     |      |      |       |       |       |       |       |       |       |       |       |       |     |           |          |          | 1         |
| -12/-13      |                                     |     |     |     |      |      |       |       |       |       |       |       |       |       |       |       |     |           |          |          | 1         |
| TOTAL        |                                     |     | 2.9 | 9.7 | 13.6 | 10.7 | 3.9   | 4.9   | 18.4  | 21.4  | 10.7  | 2.9   | 1.0   |       |       |       |     | 103       | 122      |          | 103       |
|              |                                     |     |     |     |      |      |       |       |       |       |       |       |       |       |       |       |     |           |          |          |           |
|              |                                     |     |     |     |      |      |       |       |       |       |       |       |       |       |       |       |     |           |          |          |           |
|              |                                     |     |     |     |      |      |       |       |       |       |       |       |       |       |       |       |     |           |          |          |           |
|              |                                     |     |     |     |      |      |       |       |       |       |       |       |       |       |       |       |     |           |          |          |           |
|              |                                     |     |     |     |      |      |       |       |       |       |       |       |       |       |       |       |     |           |          |          |           |
|              |                                     |     |     |     |      |      |       |       |       |       |       |       |       |       |       |       |     |           |          |          |           |
|              |                                     |     |     |     |      |      |       |       |       |       |       |       |       |       |       |       |     |           |          |          |           |
|              |                                     |     |     |     |      |      |       |       |       |       |       |       |       |       |       |       |     |           |          |          |           |
|              |                                     |     |     |     |      |      |       |       |       |       |       |       |       |       |       |       |     |           |          |          |           |
|              |                                     |     |     |     |      |      |       |       |       |       |       |       |       |       |       |       |     |           |          |          |           |
|              |                                     |     |     |     |      |      |       |       |       |       |       |       |       |       |       |       |     |           |          |          |           |
|              |                                     |     |     |     |      |      |       |       |       |       |       |       |       |       |       |       |     |           |          |          |           |
|              |                                     |     |     |     |      |      |       |       |       |       |       |       |       |       |       |       |     |           |          |          |           |
|              |                                     |     |     |     |      |      |       |       |       |       |       |       |       |       |       |       |     |           |          |          |           |
|              |                                     |     |     |     |      |      |       |       |       |       |       |       |       |       |       |       |     |           |          |          |           |
|              |                                     |     |     |     |      |      |       |       |       |       |       |       |       |       |       |       |     |           |          |          |           |
|              |                                     |     |     |     |      |      |       |       |       |       |       |       |       |       |       |       |     |           |          |          |           |
|              |                                     |     |     |     |      |      |       |       |       |       |       |       |       |       |       |       |     |           |          |          |           |
|              |                                     |     |     |     |      |      |       |       |       |       |       |       |       |       |       |       |     |           |          |          |           |
|              |                                     |     |     |     |      |      |       |       |       |       |       |       |       |       |       |       |     |           |          |          |           |
|              |                                     |     |     |     |      |      |       |       |       |       |       |       |       |       |       |       |     |           |          |          |           |
|              |                                     |     |     |     |      |      |       |       |       |       |       |       |       |       |       |       |     |           |          |          |           |
|              |                                     |     |     |     |      |      |       |       |       |       |       |       |       |       |       |       |     |           |          |          |           |
|              |                                     |     |     |     |      |      |       |       |       |       |       |       |       |       |       |       |     |           |          |          |           |
|              |                                     |     |     |     |      |      |       |       |       |       |       |       |       |       |       |       |     |           |          |          |           |
|              |                                     |     |     |     |      |      |       |       |       |       |       |       |       |       |       |       |     |           |          |          |           |
|              |                                     |     |     |     |      |      |       |       |       |       |       |       |       |       |       |       |     |           |          |          |           |
|              |                                     |     |     |     |      |      |       |       |       |       |       |       |       |       |       |       |     |           |          |          |           |
|              |                                     |     |     |     |      |      |       |       |       |       |       |       |       |       |       |       |     |           |          |          |           |
|              |                                     |     |     |     |      |      |       |       |       |       |       |       |       |       |       |       |     |           |          |          |           |
|              |                                     |     |     |     |      |      |       |       |       |       |       |       |       |       |       |       |     |           |          |          |           |
|              |                                     |     |     |     |      |      |       |       |       |       |       |       |       |       |       |       |     |           |          |          |           |
|              |                                     |     |     |     |      |      |       |       |       |       |       |       |       |       |       |       |     |           |          |          |           |
|              |                                     |     |     |     |      |      |       |       |       |       |       |       |       |       |       |       |     |           |          |          |           |
|              |                                     |     |     |     |      |      |       |       |       |       |       |       |       |       |       |       |     |           |          |          |           |
|              |                                     |     |     |     |      |      |       |       |       |       |       |       |       |       |       |       |     |           |          |          |           |
|              |                                     |     |     |     |      |      |       |       |       |       |       |       |       |       |       |       |     |           |          |          |           |
|              |                                     |     |     |     |      |      |       |       |       |       |       |       |       |       |       |       |     |           |          |          |           |
|              |                                     |     |     |     |      |      |       |       |       |       |       |       |       |       |       |       |     |           |          |          |           |
|              |                                     |     |     |     |      |      |       |       |       |       |       |       |       |       |       |       |     |           |          |          |           |
|              |                                     |     |     |     |      |      |       |       |       |       |       |       |       |       |       |       |     |           |          |          |           |
|              |                                     |     |     |     |      |      |       |       |       |       |       |       |       |       |       |       |     |           |          |          |           |
|              |                                     |     |     |     |      |      |       |       |       |       |       |       |       |       |       |       |     |           |          |          |           |
|              |                                     |     |     |     |      |      |       |       |       |       |       |       |       |       |       |       |     |           |          |          |           |
|              |                                     |     |     |     |      |      |       |       |       |       |       |       |       |       |       |       |     |           |          |          |           |
|              |                                     |     |     |     |      |      |       |       |       |       |       |       |       |       |       |       |     |           |          |          |           |
|              |                                     |     |     |     |      |      |       |       |       |       |       |       |       |       |       |       |     |           |          |          |           |
|              |                                     |     |     |     |      |      |       |       |       |       |       |       |       |       |       |       |     |           |          |          |           |
|              |                                     |     |     |     |      |      |       |       |       |       |       |       |       |       |       |       |     |           |          |          |           |
|              |                                     |     |     |     |      |      |       |       |       |       |       |       |       |       |       |       |     |           |          |          |           |
|              |                                     |     |     |     |      |      |       |       |       |       |       |       |       |       |       |       |     |           |          |          |           |
|              |                                     |     |     |     |      |      |       |       |       |       |       |       |       |       |       |       |     |           |          |          |           |
|              |                                     |     |     |     |      |      |       |       |       |       |       |       |       |       |       |       |     |           |          |          |           |
|              |                                     |     |     |     |      |      |       |       |       |       |       |       |       |       |       |       |     |           |          |          |           |
|              |                                     |     |     |     |      |      |       |       |       |       |       |       |       |       |       |       |     |           |          |          |           |
|              |                                     |     |     |     |      |      |       |       |       |       |       |       |       |       |       |       |     |           |          |          |           |

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

# PSYCHROMETRIC SUMMARY

00001 MAUI OPTICAL SITE HI NORTH TOWER 77-79

STATION

STATION NAME

YEARS

NOV  
MONTH

PAGE 1 1800-2000  
HOURS (L. S. T.)

| Temp<br>(F) | WET BULB TEMPERATURE DEPRESSION (F) |     |            |     |           |      |            |       |          |       |                                    |        |        |        |        |        |       | TOTAL     | TOTAL    |          |           |
|-------------|-------------------------------------|-----|------------|-----|-----------|------|------------|-------|----------|-------|------------------------------------|--------|--------|--------|--------|--------|-------|-----------|----------|----------|-----------|
|             | 0                                   | 1-2 | 3-4        | 5-6 | 7-8       | 9-10 | 11-12      | 13-14 | 15-16    | 17-18 | 19-20                              | 21-22  | 23-24  | 25-26  | 27-28  | 29-30  | ≥ 31  | D.B./W.B. | Dry Bulb | Wet Bulb | Dew Point |
| 50/ 55      |                                     |     |            |     |           |      |            |       |          |       | 2.9                                |        |        |        |        |        |       | 3         | 3        |          |           |
| 47/ 53      |                                     |     |            |     |           |      |            |       |          | 1.0   |                                    |        |        |        |        |        |       | 1         | 1        |          |           |
| 42/ 51      |                                     |     |            |     |           |      |            |       |          | 5.7   | 1.9                                |        |        |        |        |        |       | 8         | 8        |          |           |
| 5 / 49      |                                     |     |            |     |           |      | 1.0        |       | 3.8      | 8.6   |                                    |        |        |        |        |        |       | 14        | 14       |          |           |
| 43/ 47      |                                     |     |            |     |           |      |            | 3.8   | 5.7      | 3.8   |                                    |        |        |        |        |        |       | 14        | 17       |          |           |
| 40/ 45      |                                     |     |            |     | 1.0       | 1.9  |            | 1.9   | 10.5     |       |                                    |        |        |        |        |        |       | 16        | 19       |          |           |
| 44/ 43      |                                     |     |            | 2.9 | 3.8       | 2.9  | 1.0        | 4.8   | 1.0      |       |                                    |        |        |        |        |        |       | 17        | 17       |          |           |
| 42/ 41      |                                     |     | 1.0        | 1.9 |           |      |            | 3.8   | 1.9      |       |                                    |        |        |        |        |        |       | 9         | 9        |          |           |
| 4 / 39      |                                     |     | 1.0        | 2.9 | 1.9       | 1.0  | 3.8        | 1.9   | 1.0      |       |                                    |        |        |        |        |        |       | 14        | 17       |          |           |
| 38/ 37      |                                     |     | 1.9        |     |           | 1.9  |            |       |          |       |                                    |        |        |        |        |        |       | 4         | 8        | 9        |           |
| 36/ 35      |                                     |     | 1.9        | 1.0 | 1.0       |      | 1.0        |       |          |       |                                    |        |        |        |        |        |       | 5         | 7        | 16       |           |
| 34/ 33      |                                     |     |            |     |           |      |            |       |          |       |                                    |        |        |        |        |        |       |           | 3        | 22       | 2         |
| 32/ 31      |                                     |     |            |     |           |      |            |       |          |       |                                    |        |        |        |        |        |       |           |          | 29       | 3         |
| 3 / 29      |                                     |     |            |     |           |      |            |       |          |       |                                    |        |        |        |        |        |       |           |          | 16       | 7         |
| 28/ 27      |                                     |     |            |     |           |      |            |       |          |       |                                    |        |        |        |        |        |       |           |          | 8        | 5         |
| 26/ 25      |                                     |     |            |     |           |      |            |       |          |       |                                    |        |        |        |        |        |       |           |          | 5        | 2         |
| 24/ 23      |                                     |     |            |     |           |      |            |       |          |       |                                    |        |        |        |        |        |       |           |          |          | 3         |
| 22/ 21      |                                     |     |            |     |           |      |            |       |          |       |                                    |        |        |        |        |        |       |           |          |          | 2         |
| 20 / 19     |                                     |     |            |     |           |      |            |       |          |       |                                    |        |        |        |        |        |       |           |          |          | 2         |
| 18/ 17      |                                     |     |            |     |           |      |            |       |          |       |                                    |        |        |        |        |        |       |           |          |          | 3         |
| 16/ 15      |                                     |     |            |     |           |      |            |       |          |       |                                    |        |        |        |        |        |       |           |          |          | 3         |
| 14/ 13      |                                     |     |            |     |           |      |            |       |          |       |                                    |        |        |        |        |        |       |           |          |          | 3         |
| 12/ 11      |                                     |     |            |     |           |      |            |       |          |       |                                    |        |        |        |        |        |       |           |          |          | 1         |
| 10 / 9      |                                     |     |            |     |           |      |            |       |          |       |                                    |        |        |        |        |        |       |           |          |          | 2         |
| 8 / 7       |                                     |     |            |     |           |      |            |       |          |       |                                    |        |        |        |        |        |       |           |          |          | 7         |
| 6 / 5       |                                     |     |            |     |           |      |            |       |          |       |                                    |        |        |        |        |        |       |           |          |          | 16        |
| 4 / 3       |                                     |     |            |     |           |      |            |       |          |       |                                    |        |        |        |        |        |       |           |          |          | 12        |
| 2 / 1       |                                     |     |            |     |           |      |            |       |          |       |                                    |        |        |        |        |        |       |           |          |          | 9         |
| 0 / -1      |                                     |     |            |     |           |      |            |       |          |       |                                    |        |        |        |        |        |       |           |          |          | 6         |
| -2 / -3     |                                     |     |            |     |           |      |            |       |          |       |                                    |        |        |        |        |        |       |           |          |          | 6         |
| -4 / -5     |                                     |     |            |     |           |      |            |       |          |       |                                    |        |        |        |        |        |       |           |          |          | 3         |
| -6 / -7     |                                     |     |            |     |           |      |            |       |          |       |                                    |        |        |        |        |        |       |           |          |          | 4         |
| -8 / -9     |                                     |     |            |     |           |      |            |       |          |       |                                    |        |        |        |        |        |       |           |          |          | 1         |
| -10 / -11   |                                     |     |            |     |           |      |            |       |          |       |                                    |        |        |        |        |        |       |           |          |          | 1         |
| Element (X) | $\Sigma X^2$                        |     | $\Sigma X$ |     | $\bar{X}$ |      | $\sigma_x$ |       | No. Obs. |       | Mean No. of Hours with Temperature |        |        |        |        |        | Total |           |          |          |           |
| Rel. Hum.   |                                     |     |            |     |           |      |            |       |          |       | ≤ 0 F                              | ≤ 32 F | ≥ 67 F | ≥ 73 F | ≥ 80 F | ≥ 93 F |       |           |          |          |           |
| Dry Bulb    |                                     |     |            |     |           |      |            |       |          |       |                                    |        |        |        |        |        |       |           |          |          |           |
| Wet Bulb    |                                     |     |            |     |           |      |            |       |          |       |                                    |        |        |        |        |        |       |           |          |          |           |
| Dew Point   |                                     |     |            |     |           |      |            |       |          |       |                                    |        |        |        |        |        |       |           |          |          |           |

4806  
USAFETAC FORM 0-26-5 (OLA) JUL 64  
REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE



## PSYCHROMETRIC SUMMARY

NOV  
MONTH

PAGE 2 1800-2000  
HOURS (L. S. T.)

[illegible]

USAFETAC  
FORM  
N U 44  
0-26-5 (OLA)  
REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/HAC

# PSYCHROMETRIC SUMMARY

10001 MAUI OPTICAL SITE HI NORTH TOWER 77-79

NOV

STATION

STATION NAME

YEARS

MONTH

PAGE 1 2100-2300  
HOURS (L. S. T.)

| Temp.<br>(F) | WET BULB TEMPERATURE DEPRESSION (F) |     |     |     |     |      |       |       |       |       |       |       |          |       |       |                                    |        |        |        |        |        |       |  |  |  |  |  |  |  |  |  |  |  | TOTAL<br>D.B./W.B. | TOTAL |  |  |
|--------------|-------------------------------------|-----|-----|-----|-----|------|-------|-------|-------|-------|-------|-------|----------|-------|-------|------------------------------------|--------|--------|--------|--------|--------|-------|--|--|--|--|--|--|--|--|--|--|--|--------------------|-------|--|--|
|              | 0                                   | 1-2 | 3-4 | 5-6 | 7-8 | 9-10 | 11-12 | 13-14 | 15-16 | 17-18 | 19-20 | 21-22 | 23-24    | 25-26 | 27-28 | 29-30                              | ≥ 31   | TOTAL  |        |        |        |       |  |  |  |  |  |  |  |  |  |  |  |                    |       |  |  |
| 50/ 55       |                                     |     |     |     |     |      |       |       |       |       | 1.0   |       |          |       |       |                                    |        | 1      | 1      |        |        |       |  |  |  |  |  |  |  |  |  |  |  |                    |       |  |  |
| 44/ 53       |                                     |     |     |     |     |      |       |       |       |       | 1.0   |       |          |       |       |                                    |        | 1      | 1      |        |        |       |  |  |  |  |  |  |  |  |  |  |  |                    |       |  |  |
| 42/ 51       |                                     |     |     |     |     |      |       |       |       | 8.6   | 1.0   |       |          |       |       |                                    |        | 10     | 10     |        |        |       |  |  |  |  |  |  |  |  |  |  |  |                    |       |  |  |
| 5 / 49       |                                     |     |     |     | 1.0 |      |       | 1.0   |       | 7.6   |       |       |          |       |       |                                    |        | 10     | 11     |        |        |       |  |  |  |  |  |  |  |  |  |  |  |                    |       |  |  |
| 48/ 47       |                                     |     |     |     |     |      |       | 4.8   | 5.7   | 3.8   |       |       |          |       |       |                                    |        | 15     | 18     |        |        |       |  |  |  |  |  |  |  |  |  |  |  |                    |       |  |  |
| 46/ 45       |                                     |     |     | 1.9 | 1.0 | 1.9  | 1.0   | 1.9   | 10.5  |       |       |       |          |       |       |                                    |        | 19     | 21     |        |        |       |  |  |  |  |  |  |  |  |  |  |  |                    |       |  |  |
| 44/ 43       |                                     |     |     |     | 1.0 | 3.8  | 1.0   | 3.8   | 2.9   |       |       |       |          |       |       |                                    |        | 13     | 13     |        |        |       |  |  |  |  |  |  |  |  |  |  |  |                    |       |  |  |
| 42/ 41       |                                     |     | 2.9 | 1.9 | 1.9 | 1.0  | 1.0   | 3.8   | 1.9   |       |       |       |          |       |       |                                    |        | 15     | 15     |        |        |       |  |  |  |  |  |  |  |  |  |  |  |                    |       |  |  |
| 4 / 39       |                                     |     | 1.9 | 1.9 |     | 1.0  | 1.9   | 3.8   |       |       |       |       |          |       |       |                                    |        | 11     | 15     | 2      |        |       |  |  |  |  |  |  |  |  |  |  |  |                    |       |  |  |
| 38/ 37       |                                     |     | 1.0 | 1.0 |     |      | 1.9   |       |       |       |       |       |          |       |       |                                    |        | 4      | 8      | 6      |        |       |  |  |  |  |  |  |  |  |  |  |  |                    |       |  |  |
| 36/ 35       |                                     |     | 1.9 |     | 1.9 | 1.0  | 1.9   |       |       |       |       |       |          |       |       |                                    |        | 6      | 9      | 13     | 1      |       |  |  |  |  |  |  |  |  |  |  |  |                    |       |  |  |
| 34/ 33       |                                     |     |     |     |     |      |       |       |       |       |       |       |          |       |       |                                    |        |        |        | 22     | 2      |       |  |  |  |  |  |  |  |  |  |  |  |                    |       |  |  |
| 32/ 31       |                                     |     |     |     |     |      |       |       |       |       |       |       |          |       |       |                                    |        |        | 1      | 25     | 6      |       |  |  |  |  |  |  |  |  |  |  |  |                    |       |  |  |
| 3 / 29       |                                     |     |     |     |     |      |       |       |       |       |       |       |          |       |       |                                    |        |        |        | 17     | 3      |       |  |  |  |  |  |  |  |  |  |  |  |                    |       |  |  |
| 28/ 27       |                                     |     |     |     |     |      |       |       |       |       |       |       |          |       |       |                                    |        |        |        | 13     | 3      |       |  |  |  |  |  |  |  |  |  |  |  |                    |       |  |  |
| 26/ 25       |                                     |     |     |     |     |      |       |       |       |       |       |       |          |       |       |                                    |        |        |        | 5      | 5      |       |  |  |  |  |  |  |  |  |  |  |  |                    |       |  |  |
| 24/ 23       |                                     |     |     |     |     |      |       |       |       |       |       |       |          |       |       |                                    |        |        |        | 1      | 1      |       |  |  |  |  |  |  |  |  |  |  |  |                    |       |  |  |
| 22/ 21       |                                     |     |     |     |     |      |       |       |       |       |       |       |          |       |       |                                    |        |        |        |        | 5      |       |  |  |  |  |  |  |  |  |  |  |  |                    |       |  |  |
| 18/ 17       |                                     |     |     |     |     |      |       |       |       |       |       |       |          |       |       |                                    |        |        |        |        | 2      |       |  |  |  |  |  |  |  |  |  |  |  |                    |       |  |  |
| 16/ 15       |                                     |     |     |     |     |      |       |       |       |       |       |       |          |       |       |                                    |        |        |        |        | 4      |       |  |  |  |  |  |  |  |  |  |  |  |                    |       |  |  |
| 14/ 13       |                                     |     |     |     |     |      |       |       |       |       |       |       |          |       |       |                                    |        |        |        |        | 5      |       |  |  |  |  |  |  |  |  |  |  |  |                    |       |  |  |
| 12/ 11       |                                     |     |     |     |     |      |       |       |       |       |       |       |          |       |       |                                    |        |        |        |        | 2      |       |  |  |  |  |  |  |  |  |  |  |  |                    |       |  |  |
| 8/ 7         |                                     |     |     |     |     |      |       |       |       |       |       |       |          |       |       |                                    |        |        |        |        | 3      |       |  |  |  |  |  |  |  |  |  |  |  |                    |       |  |  |
| 6/ 5         |                                     |     |     |     |     |      |       |       |       |       |       |       |          |       |       |                                    |        |        |        |        | 7      |       |  |  |  |  |  |  |  |  |  |  |  |                    |       |  |  |
| 4/ 3         |                                     |     |     |     |     |      |       |       |       |       |       |       |          |       |       |                                    |        |        |        |        | 7      |       |  |  |  |  |  |  |  |  |  |  |  |                    |       |  |  |
| 2/ 1         |                                     |     |     |     |     |      |       |       |       |       |       |       |          |       |       |                                    |        |        |        |        | 19     |       |  |  |  |  |  |  |  |  |  |  |  |                    |       |  |  |
| 0/ -1        |                                     |     |     |     |     |      |       |       |       |       |       |       |          |       |       |                                    |        |        |        |        | 10     |       |  |  |  |  |  |  |  |  |  |  |  |                    |       |  |  |
| -2/ -3       |                                     |     |     |     |     |      |       |       |       |       |       |       |          |       |       |                                    |        |        |        |        | 6      |       |  |  |  |  |  |  |  |  |  |  |  |                    |       |  |  |
| -4/ -5       |                                     |     |     |     |     |      |       |       |       |       |       |       |          |       |       |                                    |        |        |        |        | 3      |       |  |  |  |  |  |  |  |  |  |  |  |                    |       |  |  |
| -6/ -7       |                                     |     |     |     |     |      |       |       |       |       |       |       |          |       |       |                                    |        |        |        |        | 6      |       |  |  |  |  |  |  |  |  |  |  |  |                    |       |  |  |
| -8/ -9       |                                     |     |     |     |     |      |       |       |       |       |       |       |          |       |       |                                    |        |        |        |        | 1      |       |  |  |  |  |  |  |  |  |  |  |  |                    |       |  |  |
| -10/ -11     |                                     |     |     |     |     |      |       |       |       |       |       |       |          |       |       |                                    |        |        |        |        | 2      |       |  |  |  |  |  |  |  |  |  |  |  |                    |       |  |  |
| -14/ -15     |                                     |     |     |     |     |      |       |       |       |       |       |       |          |       |       |                                    |        |        |        |        | 1      |       |  |  |  |  |  |  |  |  |  |  |  |                    |       |  |  |
| -18/ -19     |                                     |     |     |     |     |      |       |       |       |       |       |       |          |       |       |                                    |        |        |        |        | 1      |       |  |  |  |  |  |  |  |  |  |  |  |                    |       |  |  |
| Element (X)  | Σ X <sup>2</sup>                    |     |     | Σ X |     |      | Σ     |       |       | Σ X   |       |       | No. Obs. |       |       | Mean No. of Hours with Temperature |        |        |        |        |        |       |  |  |  |  |  |  |  |  |  |  |  |                    |       |  |  |
| Rel. Hum.    |                                     |     |     |     |     |      |       |       |       |       |       |       |          |       |       | ≤ 0 F                              | ≤ 32 F | ≥ 67 F | ≥ 73 F | ≥ 80 F | ≥ 93 F | Total |  |  |  |  |  |  |  |  |  |  |  |                    |       |  |  |
| Dry Bulb     |                                     |     |     |     |     |      |       |       |       |       |       |       |          |       |       |                                    |        |        |        |        |        |       |  |  |  |  |  |  |  |  |  |  |  |                    |       |  |  |
| Wet Bulb     |                                     |     |     |     |     |      |       |       |       |       |       |       |          |       |       |                                    |        |        |        |        |        |       |  |  |  |  |  |  |  |  |  |  |  |                    |       |  |  |
| Dew Point    |                                     |     |     |     |     |      |       |       |       |       |       |       |          |       |       |                                    |        |        |        |        |        |       |  |  |  |  |  |  |  |  |  |  |  |                    |       |  |  |

FORM 0-26-5 (OL A) REVISD NEWIOUS EDITIONS OF THIS FORM ARE OBSOLETE

USAFETAC

## PSYCHROMETRIC SUMMARY

**YEARS**

NOV  
MONTH

PAGE 2 2100-2300  
HOURS (L. S. T.)

[illegible]0-26-5 (OL A)  
REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE  
FORM  
JUL 64

USAFETAC FORM 100-10

## PSYCHROMETRIC SUMMARY

**YEARS**

NOV  
MONTH

PAGE 1

ALL  
HOURS (L. S. T.)

[illegible]

## PSYCHROMETRIC SUMMARY

NOV  
MONTH

ALL

HOURS (L, S, T.)

[illegible]



## PSYCHROMETRIC SUMMARY

DEC  
MONTH

PAGE 2 0000-0200  
HOURS (L. S. T.)

[illegible]

**USAFETAC**  
FORM  
JUL 44  
**0-26-5 (OL A)**  
REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

## PSYCHROMETRIC SUMMARY

|         |                                  |       |
|---------|----------------------------------|-------|
| 0001    | MAUI OPTICAL SITE HI NORTH TOWER | 77-79 |
| STATION | STATION NAME                     |       |

DEC  
MONTH

PAGE 1 0300-0500  
HOURS (L. S. T.)

| Temp.<br>(F) | WET BULB TEMPERATURE DEPRESSION (F) |     |     |     |     |      |                |       |          |       |                                    |        |        |        |        |        |       |           | TOTAL    | TOTAL    |           |  |
|--------------|-------------------------------------|-----|-----|-----|-----|------|----------------|-------|----------|-------|------------------------------------|--------|--------|--------|--------|--------|-------|-----------|----------|----------|-----------|--|
|              | 0                                   | 1-2 | 3-4 | 5-6 | 7-8 | 9-10 | 11-12          | 13-14 | 15-16    | 17-18 | 19-20                              | 21-22  | 23-24  | 25-26  | 27-28  | 29-30  | ≥ 31  | D.B./W.B. | Dry Bulb | Wet Bulb | Dew Point |  |
| 50/ 55       |                                     |     |     |     |     |      |                |       |          |       |                                    |        |        |        |        |        |       |           |          | 2        |           |  |
| 44/ 53       |                                     |     |     |     |     |      |                |       |          | .6    | 1.8                                | .6     |        |        |        |        |       | 5         | 9        |          |           |  |
| 52/ 51       |                                     |     |     |     |     |      |                |       |          | 1.2   | 1.2                                |        |        |        |        |        |       | 4         | 18       |          |           |  |
| 5 / 49       |                                     |     |     |     |     | .6   |                | .6    |          | 3.6   |                                    |        |        |        |        |        |       | 8         | 20       |          |           |  |
| 49/ 47       |                                     |     |     |     | .6  | .6   |                | .6    | 3.0      | 2.4   |                                    |        |        |        |        |        |       | 12        | 20       |          |           |  |
| 40/ 45       |                                     |     |     | .6  | 4.8 |      | .6             | 3.6   | 3.6      |       |                                    |        |        |        |        |        |       | 22        | 34       |          |           |  |
| 44/ 43       |                                     |     |     | .6  | 3.7 |      | .6             | 3.0   | 2.4      |       |                                    |        |        |        |        |        |       | 16        | 30       |          |           |  |
| 42/ 41       |                                     | 1.2 | .6  | 3.0 | 6.0 | 1.8  | 2.4            | 3.0   | 3.0      |       |                                    |        |        |        |        |        |       | 35        | 40       | 3        | 1         |  |
| 40/ 39       | .6                                  | .6  | 1.2 | 3.7 | 1.8 | 1.8  | 2.4            | 4.2   | .6       |       |                                    |        |        |        |        |        |       | 27        | 34       | 7        | 1         |  |
| 38/ 37       | 1.8                                 |     |     | .6  | .6  | 1.8  | .6             | 3.0   |          |       |                                    |        |        |        |        |        |       | 14        | 16       | 17       | 5         |  |
| 36/ 35       |                                     |     |     | .6  | 1.2 |      | .6             | 1.2   |          |       |                                    |        |        |        |        |        |       | 6         | 7        | 14       | 1         |  |
| 34/ 33       | .6                                  | .6  | .6  | .6  |     | 1.2  | .6             |       |          |       |                                    |        |        |        |        |        |       | 7         | 7        | 25       | 4         |  |
| 32/ 31       | .6                                  | 1.2 |     |     | .6  | .6   | .6             |       |          |       |                                    |        |        |        |        |        |       | 6         | 6        | 32       | 6         |  |
| 3 / 29       |                                     |     |     |     | .6  |      | .6             |       |          |       |                                    |        |        |        |        |        |       | 1         | 1        | 25       | 16        |  |
| 28/ 27       |                                     |     | 1.2 | .6  |     |      |                |       |          |       |                                    |        |        |        |        |        |       | 3         | 3        | 13       | 5         |  |
| 26/ 25       |                                     |     |     |     |     |      |                |       |          |       |                                    |        |        |        |        |        |       |           |          | 14       | 8         |  |
| 24/ 23       |                                     |     |     |     |     |      |                |       |          |       |                                    |        |        |        |        |        |       |           |          | 10       | 5         |  |
| 22/ 21       |                                     |     |     |     |     |      |                |       |          |       |                                    |        |        |        |        |        |       |           |          | 4        | 7         |  |
| 20/ 19       |                                     |     |     |     |     |      |                |       |          |       |                                    |        |        |        |        |        |       |           |          | 2        | 2         |  |
| 18/ 17       |                                     |     |     |     |     |      |                |       |          |       |                                    |        |        |        |        |        |       |           |          |          | 5         |  |
| 16/ 15       |                                     |     |     |     |     |      |                |       |          |       |                                    |        |        |        |        |        |       |           |          |          | 2         |  |
| 14/ 13       |                                     |     |     |     |     |      |                |       |          |       |                                    |        |        |        |        |        |       |           |          |          | 8         |  |
| 12/ 11       |                                     |     |     |     |     |      |                |       |          |       |                                    |        |        |        |        |        |       |           |          |          | 7         |  |
| 10/ 9        |                                     |     |     |     |     |      |                |       |          |       |                                    |        |        |        |        |        |       |           |          |          | 1         |  |
| 8/ 7         |                                     |     |     |     |     |      |                |       |          |       |                                    |        |        |        |        |        |       |           |          |          | 8         |  |
| 6/ 5         |                                     |     |     |     |     |      |                |       |          |       |                                    |        |        |        |        |        |       |           |          |          | 6         |  |
| 4/ 3         |                                     |     |     |     |     |      |                |       |          |       |                                    |        |        |        |        |        |       |           |          |          | 16        |  |
| 2/ 1         |                                     |     |     |     |     |      |                |       |          |       |                                    |        |        |        |        |        |       |           |          |          | 5         |  |
| 0/ -1        |                                     |     |     |     |     |      |                |       |          |       |                                    |        |        |        |        |        |       |           |          |          | 1         |  |
| -2/ -3       |                                     |     |     |     |     |      |                |       |          |       |                                    |        |        |        |        |        |       |           |          |          | 11        |  |
| -4/ -5       |                                     |     |     |     |     |      |                |       |          |       |                                    |        |        |        |        |        |       |           |          |          | 4         |  |
| -6/ -7       |                                     |     |     |     |     |      |                |       |          |       |                                    |        |        |        |        |        |       |           |          |          | 6         |  |
| -8/ -9       |                                     |     |     |     |     |      |                |       |          |       |                                    |        |        |        |        |        |       |           |          |          | 5         |  |
| -10/ -11     |                                     |     |     |     |     |      |                |       |          |       |                                    |        |        |        |        |        |       |           |          |          | 5         |  |
| Element (X)  | ΣX <sup>2</sup>                     |     | ΣX  |     | X̄  |      | σ <sub>x</sub> |       | No. Obs. |       | Mean No. of Hours with Temperature |        |        |        |        |        |       |           |          |          |           |  |
| Rel. Hum.    |                                     |     |     |     |     |      |                |       |          |       | ≤ 0 F                              | ≤ 32 F | ≥ 67 F | ≥ 73 F | ≥ 80 F | ≥ 93 F | Total |           |          |          |           |  |
| Dry Bulb     |                                     |     |     |     |     |      |                |       |          |       |                                    |        |        |        |        |        |       |           |          |          |           |  |
| Wet Bulb     |                                     |     |     |     |     |      |                |       |          |       |                                    |        |        |        |        |        |       |           |          |          |           |  |
| Dew Point    |                                     |     |     |     |     |      |                |       |          |       |                                    |        |        |        |        |        |       |           |          |          |           |  |



## PSYCHROMETRIC SUMMARY

**YEARS**

DEC  
MONTH

PAGE 2 0300-0500  
HOURS (L. S. T.)

[illegible]

FORM 0-26-5 (QLA)  
REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

**USAFETAC**

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

# PSYCHROMETRIC SUMMARY

0001 MAUI OPTICAL SITE HI NORTH TOWER 77-79  
STATION STATION NAME YEARS

DEC  
MONTH

PAGE 1 0600-0800  
HOURS (L. S. T.)

| Temp.<br>(F) | WET BULB TEMPERATURE DEPRESSION (F) |     |     |     |     |      |       |       |       |       |       |       |       |       |       |       |     |          |          |           |    | TOTAL<br>D.B./W.B. | TOTAL |  |  |   |  |  |  |  |
|--------------|-------------------------------------|-----|-----|-----|-----|------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-----|----------|----------|-----------|----|--------------------|-------|--|--|---|--|--|--|--|
|              | 0                                   | 1-2 | 3-4 | 5-6 | 7-8 | 9-10 | 11-12 | 13-14 | 15-16 | 17-18 | 19-20 | 21-22 | 23-24 | 25-26 | 27-28 | 29-30 | >31 | Dry Bulb | Wet Bulb | Dew Point |    |                    |       |  |  |   |  |  |  |  |
| 58/ 55       |                                     |     |     |     |     |      |       |       |       |       | .6    |       |       |       |       |       |     | 1        | 3        |           |    |                    |       |  |  |   |  |  |  |  |
| 54/ 53       |                                     |     |     |     |     |      |       |       |       |       | 2.5   |       |       |       |       |       |     | 4        | 14       |           |    |                    |       |  |  |   |  |  |  |  |
| 52/ 51       |                                     |     |     |     |     |      |       |       |       | .6    | 1.3   |       |       |       |       |       |     | 3        | 10       |           |    |                    |       |  |  |   |  |  |  |  |
| 5 / 49       |                                     |     |     |     |     | .6   |       |       | 1.3   | 1.9   |       |       |       |       |       |       |     | 6        | 23       |           |    |                    |       |  |  |   |  |  |  |  |
| 48/ 47       |                                     | .6  |     | .6  |     | 1.3  | .6    | 1.9   | 1.9   | 3.1   |       |       |       |       |       |       |     | 16       | 24       |           |    |                    |       |  |  |   |  |  |  |  |
| 46/ 45       |                                     |     |     | .6  | 2.5 |      |       | 1.3   | 3.9   | 1.3   |       |       |       |       |       |       |     | 15       | 24       | 1         |    |                    |       |  |  |   |  |  |  |  |
| 44/ 43       |                                     |     |     | 1.3 | 2.5 | 2.5  | 1.9   | 5.7   | 4.4   |       |       |       |       |       |       |       |     | 29       | 44       |           | 1  |                    |       |  |  |   |  |  |  |  |
| 42/ 41       |                                     |     | .6  | 3.1 | 3.1 | 1.9  | 4.4   | 1.3   | 1.3   |       |       |       |       |       |       |       |     | 25       | 33       |           |    |                    |       |  |  |   |  |  |  |  |
| 4 / 39       |                                     | .6  |     | 1.9 | .6  | 2.5  | 2.5   | 2.5   | 1.3   |       |       |       |       |       |       |       |     | 19       | 21       | 5         |    |                    |       |  |  |   |  |  |  |  |
| 38/ 37       | 2.5                                 |     | 1.3 |     | 2.5 | 1.3  | .6    | 5.7   |       |       |       |       |       |       |       |       |     | 22       | 23       | 12        | 3  |                    |       |  |  |   |  |  |  |  |
| 36/ 35       | .6                                  |     | .6  | 1.9 | .6  | .6   | .6    |       |       |       |       |       |       |       |       |       |     | 8        | 11       | 17        | 3  |                    |       |  |  |   |  |  |  |  |
| 34/ 33       |                                     |     |     | .6  | 1.3 | 1.3  | 1.9   |       |       |       |       |       |       |       |       |       |     | 8        | 8        | 26        | 2  |                    |       |  |  |   |  |  |  |  |
| 32/ 31       |                                     |     |     |     |     | .6   | .6    |       |       |       |       |       |       |       |       |       |     | 2        | 2        | 23        | 5  |                    |       |  |  |   |  |  |  |  |
| 3 / 29       | .6                                  |     |     |     |     |      |       |       |       |       |       |       |       |       |       |       |     | 1        | 1        | 37        | 10 |                    |       |  |  |   |  |  |  |  |
| 28/ 27       |                                     |     |     |     |     |      |       |       |       |       |       |       |       |       |       |       |     |          |          | 13        | 8  |                    |       |  |  |   |  |  |  |  |
| 26/ 26       |                                     |     |     |     |     |      |       |       |       |       |       |       |       |       |       |       |     |          |          | 8         | 8  |                    |       |  |  |   |  |  |  |  |
| 24/ 23       |                                     |     |     |     |     |      |       |       |       |       |       |       |       |       |       |       |     |          |          |           | 1  |                    |       |  |  |   |  |  |  |  |
| 22/ 21       |                                     |     |     |     |     |      |       |       |       |       |       |       |       |       |       |       |     |          |          | 4         | 6  |                    |       |  |  |   |  |  |  |  |
| 2 / 19       |                                     |     |     |     |     |      |       |       |       |       |       |       |       |       |       |       |     |          |          | 1         | 5  |                    |       |  |  |   |  |  |  |  |
| 18/ 17       |                                     |     |     |     |     |      |       |       |       |       |       |       |       |       |       |       |     |          |          |           | 5  |                    |       |  |  |   |  |  |  |  |
| 16/ 15       |                                     |     |     |     |     |      |       |       |       |       |       |       |       |       |       |       |     |          |          |           | 8  |                    |       |  |  |   |  |  |  |  |
| 14/ 14       |                                     |     |     |     |     |      |       |       |       |       |       |       |       |       |       |       |     |          |          |           | 11 |                    |       |  |  |   |  |  |  |  |
| 12/ 12       |                                     |     |     |     |     |      |       |       |       |       |       |       |       |       |       |       |     |          |          |           | 7  |                    |       |  |  |   |  |  |  |  |
| 10/ 10       |                                     |     |     |     |     |      |       |       |       |       |       |       |       |       |       |       |     |          |          |           | 4  |                    |       |  |  |   |  |  |  |  |
| 8/ 7         |                                     |     |     |     |     |      |       |       |       |       |       |       |       |       |       |       |     |          |          |           | 7  |                    |       |  |  |   |  |  |  |  |
| 6/ 6         |                                     |     |     |     |     |      |       |       |       |       |       |       |       |       |       |       |     |          |          |           | 11 |                    |       |  |  |   |  |  |  |  |
| 4/ 5         |                                     |     |     |     |     |      |       |       |       |       |       |       |       |       |       |       |     |          |          |           | 3  |                    |       |  |  |   |  |  |  |  |
| 2/ 1         |                                     |     |     |     |     |      |       |       |       |       |       |       |       |       |       |       |     |          |          |           | 10 |                    |       |  |  |   |  |  |  |  |
| 1/ -1        |                                     |     |     |     |     |      |       |       |       |       |       |       |       |       |       |       |     |          |          |           | 6  |                    |       |  |  |   |  |  |  |  |
| -1/ -3       |                                     |     |     |     |     |      |       |       |       |       |       |       |       |       |       |       |     |          |          |           | 1  |                    |       |  |  |   |  |  |  |  |
| -4/ -5       |                                     |     |     |     |     |      |       |       |       |       |       |       |       |       |       |       |     |          |          |           | 10 |                    |       |  |  |   |  |  |  |  |
| -6/ -7       |                                     |     |     |     |     |      |       |       |       |       |       |       |       |       |       |       |     |          |          |           | 6  |                    |       |  |  |   |  |  |  |  |
| -8/ -9       |                                     |     |     |     |     |      |       |       |       |       |       |       |       |       |       |       |     |          |          |           | 1  |                    |       |  |  |   |  |  |  |  |
| -10/ -11     |                                     |     |     |     |     |      |       |       |       |       |       |       |       |       |       |       |     |          |          |           | 4  |                    |       |  |  |   |  |  |  |  |
| -12/ -13     |                                     |     |     |     |     |      |       |       |       |       |       |       |       |       |       |       |     |          |          |           |    |                    |       |  |  |   |  |  |  |  |
| Element (X)  | Σ X <sup>2</sup>                    |     |     |     |     | Σ X  |       |       |       |       | Σ     |       |       |       |       | Σ     |     |          |          |           | Σ  |                    |       |  |  | Σ |  |  |  |  |
| Rel. Hum.    |                                     |     |     |     |     |      |       |       |       |       |       |       |       |       |       |       |     |          |          |           |    |                    |       |  |  |   |  |  |  |  |
| Dry Bulb     |                                     |     |     |     |     |      |       |       |       |       |       |       |       |       |       |       |     |          |          |           |    |                    |       |  |  |   |  |  |  |  |
| Wet Bulb     |                                     |     |     |     |     |      |       |       |       |       |       |       |       |       |       |       |     |          |          |           |    |                    |       |  |  |   |  |  |  |  |
| Dew Point    |                                     |     |     |     |     |      |       |       |       |       |       |       |       |       |       |       |     |          |          |           |    |                    |       |  |  |   |  |  |  |  |

USAFETAC FORM 0-26-5 (OL A) JAN 64  
REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

## PSYCHROMETRIC SUMMARY

DEC  
MONTH

PAGE 2 0600-0800  
HOURS (L. S. T.)

[illegible]

## PSYCHROMETRIC SUMMARY

**YEARS**

DEC  
MONTH

PAGE 1 0900-1100  
HOURS (L. S. T.)

| Temp.<br>(F) | WET BULB TEMPERATURE DEPRESSION (F) |            |           |            |     |      |       |       |       |       |       |       |       |       |       |       |      |           |          |          |           | TOTAL | TOTAL |  |  |
|--------------|-------------------------------------|------------|-----------|------------|-----|------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|------|-----------|----------|----------|-----------|-------|-------|--|--|
|              | 0                                   | 1-2        | 3-4       | 5-6        | 7-8 | 9-10 | 11-12 | 13-14 | 15-16 | 17-18 | 19-20 | 21-22 | 23-24 | 25-26 | 27-28 | 29-30 | ≥ 31 | D.B./W.B. | Dry Bulb | Wet Bulb | Dew Point |       |       |  |  |
| 64/ 63       |                                     |            |           |            |     |      |       |       |       |       |       |       | .6    |       |       |       |      | 1         | 1        |          |           |       |       |  |  |
| 62/ 61       |                                     |            |           |            |     |      |       |       |       |       |       |       | .6    |       |       |       |      | 1         | 1        |          |           |       |       |  |  |
| 6 / 59       |                                     |            |           |            |     |      |       |       |       |       | .6    |       | 1.2   |       |       |       |      | 3         | 5        |          |           |       |       |  |  |
| 58/ 57       |                                     |            |           |            |     |      |       |       |       |       |       |       |       |       |       |       |      |           | 10       |          |           |       |       |  |  |
| 56/ 55       |                                     |            |           |            |     |      |       |       |       | 1.2   | .6    |       |       |       |       |       |      | 3         | 18       |          |           |       |       |  |  |
| 54/ 53       |                                     |            |           | .6         |     | .6   |       |       | 1.2   | 1.8   |       |       |       |       |       |       |      | 7         | 19       |          |           |       |       |  |  |
| 52/ 51       |                                     |            |           | .6         | .6  | .6   |       | .6    | 1.8   | 1.2   | .6    |       |       |       |       |       |      | 10        | 22       |          |           |       |       |  |  |
| 5 / 49       |                                     |            |           |            | 2.5 | 2.5  | .6    | 3.1   | 2.5   | 3.1   | .6    |       |       |       |       |       |      | 24        | 31       |          |           |       |       |  |  |
| 48/ 47       |                                     |            |           |            | 3.7 | .6   | 1.2   | .6    | 7.4   | 1.2   |       |       |       |       |       |       |      | 24        | 32       |          |           |       |       |  |  |
| 46/ 45       |                                     |            | .6        |            | 3.7 | 1.8  |       | 2.5   | 1.8   |       |       |       |       |       |       |       |      | 17        | 23       | 2        |           |       |       |  |  |
| 44/ 43       |                                     |            |           | 1.2        | 1.8 | 1.2  | 4.9   | .6    | 3.7   |       |       |       |       |       |       |       |      | 22        | 27       | 2        | 1         |       |       |  |  |
| 42/ 41       |                                     | .6         |           | 1.2        |     |      | 1.8   | 1.8   | 1.8   | 3.1   |       |       |       |       |       |       |      | 17        | 19       | 6        |           |       |       |  |  |
| 40/ 39       | 1.2                                 | .6         |           |            | .6  | 1.8  | 1.2   | 3.7   | .6    |       |       |       |       |       |       |       |      | 16        | 16       | 16       | 2         |       |       |  |  |
| 38/ 37       | 1.2                                 | .6         |           |            | 1.2 | 1.2  | 1.8   | 1.2   |       |       |       |       |       |       |       |       |      | 12        | 12       | 24       | 6         |       |       |  |  |
| 36/ 35       |                                     |            |           |            |     |      |       |       |       |       |       |       |       |       |       |       |      |           | 2        | 21       | 3         |       |       |  |  |
| 34/ 33       |                                     | 1.2        |           |            | .6  |      |       |       |       |       |       |       |       |       |       |       |      | 3         | 3        | 18       |           |       |       |  |  |
| 32/ 31       | .6                                  |            | .6        |            |     |      |       |       |       |       |       |       |       |       |       |       |      | 2         | 2        | 30       | 13        |       |       |  |  |
| 3 / 29       |                                     |            |           |            |     |      |       |       |       |       |       |       |       |       |       |       |      |           |          | 14       | 11        |       |       |  |  |
| 28/ 27       |                                     |            |           |            |     |      |       |       |       |       |       |       |       |       |       |       |      |           |          | 13       | 8         |       |       |  |  |
| 26/ 25       | .6                                  |            |           |            |     |      |       |       |       |       |       |       |       |       |       |       |      | 1         | 1        | 14       | 4         |       |       |  |  |
| 24/ 23       |                                     |            |           |            |     |      |       |       |       |       |       |       |       |       |       |       |      |           |          | 2        | 2         |       |       |  |  |
| 22/ 21       |                                     |            |           |            |     |      |       |       |       |       |       |       |       |       |       |       |      |           |          |          | 3         |       |       |  |  |
| 2 / 19       |                                     |            |           |            |     |      |       |       |       |       |       |       |       |       |       |       |      |           |          |          | 3         |       |       |  |  |
| 18/ 17       |                                     |            |           |            |     |      |       |       |       |       |       |       |       |       |       |       |      |           |          |          | 6         |       |       |  |  |
| 16/ 15       |                                     |            |           |            |     |      |       |       |       |       |       |       |       |       |       |       |      |           |          |          | 7         |       |       |  |  |
| 14/ 13       |                                     |            |           |            |     |      |       |       |       |       |       |       |       |       |       |       |      |           |          |          | 11        |       |       |  |  |
| 12/ 11       |                                     |            |           |            |     |      |       |       |       |       |       |       |       |       |       |       |      |           |          |          | 13        |       |       |  |  |
| 1 / 9        |                                     |            |           |            |     |      |       |       |       |       |       |       |       |       |       |       |      |           |          |          | 9         |       |       |  |  |
| 8/ 7         |                                     |            |           |            |     |      |       |       |       |       |       |       |       |       |       |       |      |           |          |          | 12        |       |       |  |  |
| 6/ 5         |                                     |            |           |            |     |      |       |       |       |       |       |       |       |       |       |       |      |           |          |          | 5         |       |       |  |  |
| 4/ 3         |                                     |            |           |            |     |      |       |       |       |       |       |       |       |       |       |       |      |           |          |          | 3         |       |       |  |  |
| 2/ 1         |                                     |            |           |            |     |      |       |       |       |       |       |       |       |       |       |       |      |           |          |          | 4         |       |       |  |  |
| / -1         |                                     |            |           |            |     |      |       |       |       |       |       |       |       |       |       |       |      |           |          |          | 7         |       |       |  |  |
| -2/ -3       |                                     |            |           |            |     |      |       |       |       |       |       |       |       |       |       |       |      |           |          |          | 2         |       |       |  |  |
| Element (X)  | $\Sigma X^2$                        | $\Sigma X$ | $\bar{X}$ | $\sigma_x$ |     |      |       |       |       |       |       |       |       |       |       |       |      |           |          |          |           |       |       |  |  |

0-26-5 (QLA) REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

FORM

**USAFETAC**

## PSYCHROMETRIC SUMMARY

DEC  
MONTH

PAGE 2 0900-1100  
HOURS (L. S. T.)

[illegible]

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

# PSYCHROMETRIC SUMMARY

0001 MAUI OPTICAL SITE HI NORTH TOWER 77-79

DEC  
MONTH

PAGE 1 1200-1400  
HOURS (L. S. T.)

| Temp.<br>(F) | WET BULB TEMPERATURE DEPRESSION (F) |     |            |     |           |      |            |       |          |       |                                    |        |        |        |        |        |       |           |          |          | TOTAL     | TOTAL |  |  |
|--------------|-------------------------------------|-----|------------|-----|-----------|------|------------|-------|----------|-------|------------------------------------|--------|--------|--------|--------|--------|-------|-----------|----------|----------|-----------|-------|--|--|
|              | 0                                   | 1-2 | 3-4        | 5-6 | 7-8       | 9-10 | 11-12      | 13-14 | 15-16    | 17-18 | 19-20                              | 21-22  | 23-24  | 25-26  | 27-28  | 29-30  | ≥ 31  | D.B./W.B. | Dry Bulb | Wet Bulb | Dew Point |       |  |  |
| 64/ 63       |                                     |     |            |     |           |      |            |       |          |       |                                    |        | 1.9    |        |        |        |       | 3         | 3        |          |           |       |  |  |
| 62/ 59       |                                     |     |            |     |           |      |            |       |          |       |                                    |        | .6     |        |        |        |       | 1         | 4        |          |           |       |  |  |
| 58/ 57       |                                     |     |            |     |           |      |            |       |          | 2.5   | .6                                 | .6     |        |        |        |        |       | 6         | 17       |          |           |       |  |  |
| 56/ 55       |                                     |     |            |     |           |      | .6         |       | .6       | 1.9   | 1.3                                | .6     |        |        |        |        |       | 8         | 26       |          |           |       |  |  |
| 54/ 53       |                                     |     | .6         | .6  |           |      | 1.3        | .6    | 4.4      | 3.1   | .6                                 |        |        |        |        |        |       | 18        | 35       |          |           |       |  |  |
| 52/ 51       |                                     |     |            |     | .6        | 1.3  | 1.3        | 1.3   | .6       | 1.3   |                                    |        |        |        |        |        |       | 10        | 23       |          |           |       |  |  |
| 50/ 49       |                                     |     |            | .6  | 1.3       | 1.3  | 1.9        |       |          |       | 1.3                                |        |        |        |        |        |       | 10        | 21       |          | 1         |       |  |  |
| 48/ 47       |                                     |     | .6         |     | 1.9       | 1.9  | 2.5        | 2.5   | 2.5      | 1.3   |                                    |        |        |        |        |        |       | 21        | 24       |          | 1         |       |  |  |
| 46/ 45       |                                     |     | 1.9        | .6  | 3.1       | 1.3  | 1.3        | 1.3   | 2.5      |       |                                    |        |        |        |        |        |       | 19        | 21       |          | 1         |       |  |  |
| 44/ 43       |                                     |     |            | .6  | 1.9       | 1.9  | 6.9        | 3.1   | 1.9      | .6    |                                    |        |        |        |        |        |       | 27        | 32       |          | 5         |       |  |  |
| 42/ 41       |                                     | 1.9 |            |     | 1.9       | .6   | 3.8        | .6    | 1.3      |       |                                    |        |        |        |        |        |       | 16        | 17       | 11       | 4         |       |  |  |
| 40/ 39       | .6                                  |     |            |     | .6        | .6   |            | 1.9   | .6       |       |                                    |        |        |        |        |        |       | 7         | 7        | 23       | 3         |       |  |  |
| 38/ 37       |                                     | .6  |            |     | 1.3       | 1.3  | 1.3        |       |          |       |                                    |        |        |        |        |        |       | 7         | 7        | 23       | 2         |       |  |  |
| 36/ 35       |                                     | .6  |            |     | .6        | .6   | .6         |       |          |       |                                    |        |        |        |        |        |       | 4         | 4        | 21       | 2         |       |  |  |
| 34/ 33       |                                     |     | 1.3        |     |           |      | .6         |       |          |       |                                    |        |        |        |        |        |       | 3         | 3        | 17       | 6         |       |  |  |
| 32/ 31       |                                     |     |            |     |           |      |            |       |          |       |                                    |        |        |        |        |        |       |           |          | 19       | 6         |       |  |  |
| 30/ 29       |                                     |     |            |     |           |      |            |       |          |       |                                    |        |        |        |        |        |       |           |          | 21       | 8         |       |  |  |
| 28/ 27       |                                     |     |            |     |           |      |            |       |          |       |                                    |        |        |        |        |        |       |           |          |          | 8         |       |  |  |
| 26/ 25       |                                     |     |            |     |           |      |            |       |          |       |                                    |        |        |        |        |        |       |           |          | 7        | 6         |       |  |  |
| 24/ 23       |                                     |     |            |     |           |      |            |       |          |       |                                    |        |        |        |        |        |       |           | 1        | 1        | 7         |       |  |  |
| 22/ 21       |                                     |     |            |     |           |      |            |       |          |       |                                    |        |        |        |        |        |       |           |          |          | 6         |       |  |  |
| 20/ 19       |                                     |     |            |     |           |      |            |       |          |       |                                    |        |        |        |        |        |       |           |          |          | 5         |       |  |  |
| 18/ 17       |                                     |     |            |     |           |      |            |       |          |       |                                    |        |        |        |        |        |       |           |          |          | 8         |       |  |  |
| 16/ 15       |                                     |     |            |     |           |      |            |       |          |       |                                    |        |        |        |        |        |       |           |          |          | 16        |       |  |  |
| 14/ 13       |                                     |     |            |     |           |      |            |       |          |       |                                    |        |        |        |        |        |       |           |          |          | 8         |       |  |  |
| 12/ 11       |                                     |     |            |     |           |      |            |       |          |       |                                    |        |        |        |        |        |       |           |          |          | 8         |       |  |  |
| 10/ 9        |                                     |     |            |     |           |      |            |       |          |       |                                    |        |        |        |        |        |       |           |          |          | 10        |       |  |  |
| 8/ 7         |                                     |     |            |     |           |      |            |       |          |       |                                    |        |        |        |        |        |       |           |          |          | 7         |       |  |  |
| 6/ 5         |                                     |     |            |     |           |      |            |       |          |       |                                    |        |        |        |        |        |       |           |          |          | 4         |       |  |  |
| 4/ 3         |                                     |     |            |     |           |      |            |       |          |       |                                    |        |        |        |        |        |       |           |          |          | 1         |       |  |  |
| 2/ 1         |                                     |     |            |     |           |      |            |       |          |       |                                    |        |        |        |        |        |       |           |          |          | 9         |       |  |  |
| / -1         |                                     |     |            |     |           |      |            |       |          |       |                                    |        |        |        |        |        |       |           |          |          | 4         |       |  |  |
| -2/ -3       |                                     |     |            |     |           |      |            |       |          |       |                                    |        |        |        |        |        |       |           |          |          | 5         |       |  |  |
| -4/ -5       |                                     |     |            |     |           |      |            |       |          |       |                                    |        |        |        |        |        |       |           |          |          | 3         |       |  |  |
| Element (X)  | $\Sigma X^2$                        |     | $\Sigma X$ |     | $\bar{X}$ |      | $\sigma_x$ |       | No. Obs. |       | Mean No. of Hours with Temperature |        |        |        |        |        | Total |           |          |          |           |       |  |  |
| Rel. Hum.    |                                     |     |            |     |           |      |            |       |          |       | ≤ 0 F                              | ≤ 32 F | ≥ 67 F | ≥ 73 F | ≥ 80 F | ≥ 93 F |       |           |          |          |           |       |  |  |
| Dry Bulb     |                                     |     |            |     |           |      |            |       |          |       |                                    |        |        |        |        |        |       |           |          |          |           |       |  |  |
| Wet Bulb     |                                     |     |            |     |           |      |            |       |          |       |                                    |        |        |        |        |        |       |           |          |          |           |       |  |  |
| Dew Point    |                                     |     |            |     |           |      |            |       |          |       |                                    |        |        |        |        |        |       |           |          |          |           |       |  |  |

USAFETAC FORM 0-26-5 (OL A) 10-64  
REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

## PSYCHROMETRIC SUMMARY

DEC  
MONTH

PAGE 2 1200-1400  
HOURS (L. S. T.)

[illegible]

USAFETAC  
FORM  
JAN. 64  
0-26-5 (OL A)  
REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

# PSYCHROMETRIC SUMMARY

0001  
STATION

MAUI OPTICAL SITE HI NORTH TOWER  
STATION NAME

77-79  
YEARS

DEC  
MONTH

PAGE 1 1500-1700  
HOURS (L. S. T.)

| Temp.<br>(F) | WET BULB TEMPERATURE DEPRESSION (F) |     |     |     |     |      |       |       |       |                |       |       |          |       |       |                                    |      |          |          |           |  |  |  |        |  |  |  |        | TOTAL<br>D.B./W.B. | TOTAL |  |        |    |    |    |        |    |  |  |       |  |  |
|--------------|-------------------------------------|-----|-----|-----|-----|------|-------|-------|-------|----------------|-------|-------|----------|-------|-------|------------------------------------|------|----------|----------|-----------|--|--|--|--------|--|--|--|--------|--------------------|-------|--|--------|----|----|----|--------|----|--|--|-------|--|--|
|              | 0                                   | 1-2 | 3-4 | 5-6 | 7-8 | 9-10 | 11-12 | 13-14 | 15-16 | 17-18          | 19-20 | 21-22 | 23-24    | 25-26 | 27-28 | 29-30                              | ≥ 31 | Dry Bulb | Wet Bulb | Dew Point |  |  |  |        |  |  |  |        |                    |       |  |        |    |    |    |        |    |  |  |       |  |  |
| 14/ 63       |                                     |     |     |     |     |      |       |       |       |                |       |       |          |       |       |                                    |      |          |          |           |  |  |  |        |  |  |  |        |                    |       |  | 1      | 1  |    |    |        |    |  |  |       |  |  |
| 62/ 61       |                                     |     |     |     |     |      |       |       |       |                |       |       | .6       |       |       |                                    |      |          |          |           |  |  |  |        |  |  |  |        |                    |       |  | 1      | 1  |    |    |        |    |  |  |       |  |  |
| 6 / 59       |                                     |     |     |     |     |      |       |       |       |                | .6    |       |          |       |       |                                    |      |          |          |           |  |  |  |        |  |  |  |        |                    |       |  | 2      | 2  |    |    |        |    |  |  |       |  |  |
| 58/ 57       |                                     |     |     |     |     |      |       |       |       |                |       | .6    | .6       |       |       |                                    |      |          |          |           |  |  |  |        |  |  |  |        |                    |       |  | 2      | 9  |    |    |        |    |  |  |       |  |  |
| 56/ 55       |                                     |     |     |     |     |      |       |       |       |                | .6    | 1.8   | 1.2      |       |       |                                    |      |          |          |           |  |  |  |        |  |  |  |        |                    |       |  | 6      | 19 |    |    |        |    |  |  |       |  |  |
| 14/ 53       |                                     |     |     |     |     |      | .6    |       | .6    | 3.1            | 1.2   | 2.5   |          |       |       |                                    |      |          |          |           |  |  |  |        |  |  |  |        |                    |       |  |        | 13 | 31 |    |        |    |  |  |       |  |  |
| 52/ 51       |                                     |     |     |     |     |      | .6    | .6    | .6    | .6             | 1.2   |       |          |       |       |                                    |      |          |          |           |  |  |  |        |  |  |  |        |                    |       |  |        | 6  | 14 |    |        |    |  |  |       |  |  |
| 5 / 49       |                                     |     |     |     | 1.2 | 3.1  |       |       | 2.5   | 2.5            | 1.8   |       |          |       |       |                                    |      |          |          |           |  |  |  |        |  |  |  |        |                    |       |  |        | 18 | 38 |    |        |    |  |  |       |  |  |
| 48/ 47       |                                     |     |     |     | 3.7 | 1.8  | 1.2   | 3.7   | 3.7   | .6             |       |       |          |       |       |                                    |      |          |          |           |  |  |  |        |  |  |  |        |                    |       |  |        | 24 | 33 |    |        |    |  |  |       |  |  |
| 46/ 45       |                                     |     |     |     | 4.9 |      | 3.1   |       | 1.2   | .6             |       |       |          |       |       |                                    |      |          |          |           |  |  |  |        |  |  |  |        |                    |       |  |        | 16 | 17 |    |        |    |  |  |       |  |  |
| 14/ 43       |                                     | .6  | .6  | 1.2 | 1.8 | 1.2  | 3.7   | .6    | .6    |                |       |       |          |       |       |                                    |      |          |          |           |  |  |  |        |  |  |  |        |                    |       |  |        | 16 | 22 |    | 1      |    |  |  |       |  |  |
| 42/ 41       |                                     | 1.2 | 1.2 |     | .6  |      | 4.3   | 3.7   | 1.2   |                |       |       |          |       |       |                                    |      |          |          |           |  |  |  |        |  |  |  |        |                    |       |  |        | 20 | 21 | 8  | 1      |    |  |  |       |  |  |
| 4 / 39       |                                     | 1.2 |     | 1.2 |     | .6   | 2.5   | 3.1   | 1.2   |                |       |       |          |       |       |                                    |      |          |          |           |  |  |  |        |  |  |  |        |                    |       |  |        | 16 | 17 | 22 | 1      |    |  |  |       |  |  |
| 38/ 37       |                                     |     |     | .6  |     | 1.2  | 1.2   | 2.5   |       |                |       |       |          |       |       |                                    |      |          |          |           |  |  |  |        |  |  |  |        |                    |       |  |        | 9  | 9  | 20 | 2      |    |  |  |       |  |  |
| 36/ 35       |                                     | .6  | .6  | .6  |     | .6   |       | .6    |       |                |       |       |          |       |       |                                    |      |          |          |           |  |  |  |        |  |  |  |        |                    |       |  |        | 5  | 5  | 26 | 3      |    |  |  |       |  |  |
| 34/ 33       | .6                                  |     |     |     | .6  |      | .6    |       |       |                |       |       |          |       |       |                                    |      |          |          |           |  |  |  |        |  |  |  |        |                    |       |  |        | 3  | 3  | 20 | 3      |    |  |  |       |  |  |
| 32/ 31       |                                     |     |     |     |     |      |       |       |       |                |       |       |          |       |       |                                    |      |          |          |           |  |  |  |        |  |  |  |        |                    |       |  |        |    |    |    | 19     | 11 |  |  |       |  |  |
| 7 / 29       |                                     |     |     |     | .6  |      |       |       |       |                |       |       |          |       |       |                                    |      |          |          |           |  |  |  |        |  |  |  |        |                    |       |  |        |    |    |    | 16     | 12 |  |  |       |  |  |
| 28/ 27       |                                     | 1.8 | .6  |     |     |      |       |       |       |                |       |       |          |       |       |                                    |      |          |          |           |  |  |  |        |  |  |  |        |                    |       |  |        | 4  | 4  | 14 | 6      |    |  |  |       |  |  |
| 26/ 25       |                                     |     |     |     |     |      |       |       |       |                |       |       |          |       |       |                                    |      |          |          |           |  |  |  |        |  |  |  |        |                    |       |  |        |    |    |    | 9      | 4  |  |  |       |  |  |
| 24/ 23       |                                     |     |     |     |     |      |       |       |       |                |       |       |          |       |       |                                    |      |          |          |           |  |  |  |        |  |  |  |        |                    |       |  |        |    |    |    | 7      | 7  |  |  |       |  |  |
| 22/ 21       |                                     |     |     |     |     |      |       |       |       |                |       |       |          |       |       |                                    |      |          |          |           |  |  |  |        |  |  |  |        |                    |       |  |        |    |    |    | 1      | 5  |  |  |       |  |  |
| 2 / 19       |                                     |     |     |     |     |      |       |       |       |                |       |       |          |       |       |                                    |      |          |          |           |  |  |  |        |  |  |  |        |                    |       |  |        |    |    |    | 4      | 4  |  |  |       |  |  |
| 18/ 17       |                                     |     |     |     |     |      |       |       |       |                |       |       |          |       |       |                                    |      |          |          |           |  |  |  |        |  |  |  |        |                    |       |  |        |    |    |    | 6      | 6  |  |  |       |  |  |
| 16/ 15       |                                     |     |     |     |     |      |       |       |       |                |       |       |          |       |       |                                    |      |          |          |           |  |  |  |        |  |  |  |        |                    |       |  |        |    |    |    | 7      | 7  |  |  |       |  |  |
| 14/ 13       |                                     |     |     |     |     |      |       |       |       |                |       |       |          |       |       |                                    |      |          |          |           |  |  |  |        |  |  |  |        |                    |       |  |        |    |    |    | 14     | 14 |  |  |       |  |  |
| 12/ 11       |                                     |     |     |     |     |      |       |       |       |                |       |       |          |       |       |                                    |      |          |          |           |  |  |  |        |  |  |  |        |                    |       |  |        |    |    |    | 9      | 9  |  |  |       |  |  |
| 1 / 9        |                                     |     |     |     |     |      |       |       |       |                |       |       |          |       |       |                                    |      |          |          |           |  |  |  |        |  |  |  |        |                    |       |  |        |    |    |    | 11     | 11 |  |  |       |  |  |
| 8 / 7        |                                     |     |     |     |     |      |       |       |       |                |       |       |          |       |       |                                    |      |          |          |           |  |  |  |        |  |  |  |        |                    |       |  |        |    |    |    | 1      | 1  |  |  |       |  |  |
| 6/ 5         |                                     |     |     |     |     |      |       |       |       |                |       |       |          |       |       |                                    |      |          |          |           |  |  |  |        |  |  |  |        |                    |       |  |        |    |    |    | 7      | 7  |  |  |       |  |  |
| 4/ 3         |                                     |     |     |     |     |      |       |       |       |                |       |       |          |       |       |                                    |      |          |          |           |  |  |  |        |  |  |  |        |                    |       |  |        |    |    |    | 13     | 13 |  |  |       |  |  |
| 2/ 1         |                                     |     |     |     |     |      |       |       |       |                |       |       |          |       |       |                                    |      |          |          |           |  |  |  |        |  |  |  |        |                    |       |  |        |    |    |    | 5      | 5  |  |  |       |  |  |
| 1 / -1       |                                     |     |     |     |     |      |       |       |       |                |       |       |          |       |       |                                    |      |          |          |           |  |  |  |        |  |  |  |        |                    |       |  |        |    |    |    | 3      | 3  |  |  |       |  |  |
| -1 / -3      |                                     |     |     |     |     |      |       |       |       |                |       |       |          |       |       |                                    |      |          |          |           |  |  |  |        |  |  |  |        |                    |       |  |        |    |    |    | 4      | 4  |  |  |       |  |  |
| Element (X)  | Σ X <sup>2</sup>                    |     |     | Σ X |     |      | X̄    |       |       | σ <sub>x</sub> |       |       | No. Obs. |       |       | Mean No. of Hours with Temperature |      |          |          |           |  |  |  |        |  |  |  |        |                    |       |  |        |    |    |    |        |    |  |  |       |  |  |
| Rel. Hum.    |                                     |     |     |     |     |      |       |       |       |                |       |       |          |       |       | ≤ 0 F                              |      |          |          | ≤ 32 F    |  |  |  | ≥ 67 F |  |  |  | ≥ 73 F |                    |       |  | ≥ 80 F |    |    |    | ≥ 93 F |    |  |  | Total |  |  |
| Dry Bulb     |                                     |     |     |     |     |      |       |       |       |                |       |       |          |       |       |                                    |      |          |          |           |  |  |  |        |  |  |  |        |                    |       |  |        |    |    |    |        |    |  |  |       |  |  |
| Wet Bulb     |                                     |     |     |     |     |      |       |       |       |                |       |       |          |       |       |                                    |      |          |          |           |  |  |  |        |  |  |  |        |                    |       |  |        |    |    |    |        |    |  |  |       |  |  |
| Dew Point    |                                     |     |     |     |     |      |       |       |       |                |       |       |          |       |       |                                    |      |          |          |           |  |  |  |        |  |  |  |        |                    |       |  |        |    |    |    |        |    |  |  |       |  |  |

USAFETAC FORM 0-26-5 (O.L.A.) REVERSED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE



## PSYCHROMETRIC SUMMARY

\_\_\_\_\_  
YEARS

\_\_\_\_\_  
DEC  
MONTH

PAGE 2 1500-1700  
HOURS (L. S. T.)

[illegible]

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

# PSYCHROMETRIC SUMMARY

0001 MAUI OPTICAL SITE HI NORTH TOWER 77-79

DEC  
MONTH

PAGE 1 1800-2000  
HOURS (L. S. T.)

| Temp.<br>(F) | WET BULB TEMPERATURE DEPRESSION (F) |     |     |     |     |      |                |       |          |       |                                    |        |        |        |        |        |       | TOTAL     | TOTAL    |          |           |
|--------------|-------------------------------------|-----|-----|-----|-----|------|----------------|-------|----------|-------|------------------------------------|--------|--------|--------|--------|--------|-------|-----------|----------|----------|-----------|
|              | 0                                   | 1-2 | 3-4 | 5-6 | 7-8 | 9-10 | 11-12          | 13-14 | 15-16    | 17-18 | 19-20                              | 21-22  | 23-24  | 25-26  | 27-28  | 29-30  | ≥ 31  | D.B./W.B. | Dry Bulb | Wet Bulb | Dew Point |
| 56/ 57       |                                     |     |     |     |     |      |                |       |          |       |                                    | .6     | .6     |        |        |        |       | 2         | 2        |          |           |
| 56/ 55       |                                     |     |     |     |     |      |                |       |          |       |                                    | .6     |        |        |        |        |       | 1         | 1        |          |           |
| 54/ 53       |                                     |     |     |     |     |      |                |       |          |       | 1.9                                |        |        |        |        |        |       | 3         | 17       |          |           |
| 52/ 51       |                                     |     |     |     |     |      |                |       |          | 1.2   | 1.9                                |        |        |        |        |        |       | 5         | 19       |          |           |
| 5 / 49       |                                     |     |     |     |     | .6   | .6             |       | 3.1      | 1.9   |                                    |        |        |        |        |        |       | 10        | 19       |          |           |
| 48/ 47       |                                     |     |     |     | .6  | 1.2  | .6             |       | .6       | 1.2   |                                    |        |        |        |        |        |       | 7         | 23       |          |           |
| 46/ 45       |                                     |     |     |     | 4.3 |      | 1.2            | 3.7   | 7.4      |       |                                    |        |        |        |        |        |       | 27        | 46       |          |           |
| 44/ 43       |                                     |     |     | 3.1 | 1.2 | 1.2  | 3.1            | 4.3   | 3.1      | .6    |                                    |        |        |        |        |        |       | 27        | 31       |          |           |
| 42/ 41       |                                     |     | 1.9 | 1.9 | .6  | 1.2  | 3.1            | 1.2   | .6       |       |                                    |        |        |        |        |        |       | 17        | 22       |          |           |
| 40/ 39       | .6                                  | 1.9 | .6  | 1.9 | 1.2 | 1.2  | 4.3            | 1.9   | .6       |       |                                    |        |        |        |        |        |       | 23        | 23       |          | 7         |
| 38/ 37       | .6                                  | .6  | .6  |     | .6  | 1.9  | .6             | 4.3   |          |       |                                    |        |        |        |        |        |       | 15        | 19       | 19       | 3         |
| 36/ 35       |                                     | .6  | .6  |     | 1.2 | .6   | 1.2            | .6    |          |       |                                    |        |        |        |        |        |       | 8         | 8        | 13       | 2         |
| 34/ 33       | .6                                  | .6  | .6  |     | 1.2 | 1.9  | 1.9            |       |          |       |                                    |        |        |        |        |        |       | 11        | 11       | 24       | 3         |
| 32/ 31       |                                     |     |     |     | .6  |      | .6             |       |          |       |                                    |        |        |        |        |        |       | 2         | 2        | 26       | 13        |
| 3 / 29       |                                     |     |     |     | .6  |      | .6             |       |          |       |                                    |        |        |        |        |        |       | 2         | 2        | 33       | 8         |
| 28/ 27       |                                     | .6  |     |     |     |      |                |       |          |       |                                    |        |        |        |        |        |       | 1         | 1        | 12       | 8         |
| 26/ 25       |                                     |     |     |     |     | .6   |                |       |          |       |                                    |        |        |        |        |        |       | 1         | 1        | 13       | 4         |
| 24/ 23       |                                     |     |     |     |     |      |                |       |          |       |                                    |        |        |        |        |        |       |           |          | 9        | 2         |
| 22/ 21       |                                     |     |     |     |     |      |                |       |          |       |                                    |        |        |        |        |        |       |           |          | 3        | 4         |
| 20/ 19       |                                     |     |     |     |     |      |                |       |          |       |                                    |        |        |        |        |        |       |           |          | 2        | 2         |
| 18/ 17       |                                     |     |     |     |     |      |                |       |          |       |                                    |        |        |        |        |        |       |           |          | 1        | 3         |
| 16/ 15       |                                     |     |     |     |     |      |                |       |          |       |                                    |        |        |        |        |        |       |           |          |          | 5         |
| 14/ 13       |                                     |     |     |     |     |      |                |       |          |       |                                    |        |        |        |        |        |       |           |          |          | 5         |
| 12/ 11       |                                     |     |     |     |     |      |                |       |          |       |                                    |        |        |        |        |        |       |           |          |          | 7         |
| 10/ 9        |                                     |     |     |     |     |      |                |       |          |       |                                    |        |        |        |        |        |       |           |          |          | 14        |
| 8/ 7         |                                     |     |     |     |     |      |                |       |          |       |                                    |        |        |        |        |        |       |           |          |          | 12        |
| 6/ 5         |                                     |     |     |     |     |      |                |       |          |       |                                    |        |        |        |        |        |       |           |          |          | 11        |
| 4/ 3         |                                     |     |     |     |     |      |                |       |          |       |                                    |        |        |        |        |        |       |           |          |          | 5         |
| 2/ 1         |                                     |     |     |     |     |      |                |       |          |       |                                    |        |        |        |        |        |       |           |          |          | 2         |
| 0/ -1        |                                     |     |     |     |     |      |                |       |          |       |                                    |        |        |        |        |        |       |           |          |          | 7         |
| -2/ -3       |                                     |     |     |     |     |      |                |       |          |       |                                    |        |        |        |        |        |       |           |          |          | 9         |
| -4/ -5       |                                     |     |     |     |     |      |                |       |          |       |                                    |        |        |        |        |        |       |           |          |          | 5         |
| -6/ -7       |                                     |     |     |     |     |      |                |       |          |       |                                    |        |        |        |        |        |       |           |          |          | 4         |
| -8/ -9       |                                     |     |     |     |     |      |                |       |          |       |                                    |        |        |        |        |        |       |           |          |          | 3         |
| Element (X)  | Σ X <sup>2</sup>                    |     | Σ X |     | X̄  |      | σ <sub>x</sub> |       | No. Obs. |       | Mean No. of Hours with Temperature |        |        |        |        |        |       |           |          |          |           |
| Rel. Hum.    |                                     |     |     |     |     |      |                |       |          |       | ≤ 0 F                              | ≤ 32 F | ≈ 67 F | ≈ 73 F | ≈ 80 F | ≈ 93 F | Total |           |          |          |           |
| Dry Bulb     |                                     |     |     |     |     |      |                |       |          |       |                                    |        |        |        |        |        |       |           |          |          |           |
| Wet Bulb     |                                     |     |     |     |     |      |                |       |          |       |                                    |        |        |        |        |        |       |           |          |          |           |
| Dew Point    |                                     |     |     |     |     |      |                |       |          |       |                                    |        |        |        |        |        |       |           |          |          |           |

REVISOR PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

FORM 0-26-5 (OL A)

USAFETAC JUL 84

## PSYCHROMETRIC SUMMARY

DEC  
MONTH

PAGE 2 1800-2000  
HOURS (L. S. T.)

[illegible]

USAFETAC FORM 0-26-5 (OLA)  
REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

## PSYCHROMETRIC SUMMARY

DEC  
MONTH

PAGE 1 2100-2300  
HOURS (L. S. T.)

| Temp.<br>(F) | WET BULB TEMPERATURE DEPRESSION (F) |     |     |     |     |                |       |          |       |                                    |        |        |        |        |        |       |      |          |          |           | TOTAL<br>D.B./W.B. | TOTAL |  |  |
|--------------|-------------------------------------|-----|-----|-----|-----|----------------|-------|----------|-------|------------------------------------|--------|--------|--------|--------|--------|-------|------|----------|----------|-----------|--------------------|-------|--|--|
|              | 0                                   | 1-2 | 3-4 | 5-6 | 7-8 | 9-10           | 11-12 | 13-14    | 15-16 | 17-18                              | 19-20  | 21-22  | 23-24  | 25-26  | 27-28  | 29-30 | ≥ 31 | Dry Bulb | Wet Bulb | Dew Point |                    |       |  |  |
| 58/ 57       |                                     |     |     |     |     |                |       |          |       |                                    |        | .6     |        |        |        |       |      | 1        | 1        |           |                    |       |  |  |
| 56/ 55       |                                     |     |     |     |     |                |       |          |       |                                    |        | .6     |        |        |        |       |      | 1        | 2        |           |                    |       |  |  |
| 54/ 53       |                                     |     |     |     |     |                |       |          |       |                                    | 2.4    | 1.2    |        |        |        |       |      | 6        | 22       |           |                    |       |  |  |
| 52/ 51       |                                     |     |     |     |     |                |       |          |       | .6                                 |        |        |        |        |        |       |      | 1        | 11       |           |                    |       |  |  |
| 5 / 49       |                                     |     |     |     |     |                |       |          | 2.4   | 1.2                                |        |        |        |        |        |       |      | 6        | 11       |           |                    |       |  |  |
| 48/ 47       |                                     |     |     |     | .6  |                | 1.2   |          | 3.0   | 1.2                                |        |        |        |        |        |       |      | 10       | 22       |           |                    |       |  |  |
| 46/ 45       |                                     |     |     |     | 2.4 | 1.8            | .6    | 4.7      | 3.6   | 1.8                                |        |        |        |        |        |       |      | 25       | 49       |           |                    |       |  |  |
| 44/ 43       |                                     |     | .6  | 2.4 | .6  | 2.4            | 3.6   | 2.4      | 4.7   |                                    |        |        |        |        |        |       |      | 28       | 33       |           |                    |       |  |  |
| 42/ 41       |                                     | .6  | .6  | 1.2 |     | 1.2            |       | 3.0      | .6    |                                    |        |        |        |        |        |       |      | 12       | 18       | 1         |                    |       |  |  |
| 4 / 39       | .6                                  | .8  | 1.2 | 1.2 | .6  | .6             | 3.6   | 5.3      | 1.2   |                                    |        |        |        |        |        |       |      | 25       | 33       | 6         |                    |       |  |  |
| 36/ 37       |                                     |     | 1.2 | 1.2 | .6  | 3.0            |       | 3.6      |       |                                    |        |        |        |        |        |       |      | 16       | 17       | 7         |                    |       |  |  |
| 36/ 35       | 1.2                                 | 1.8 | .6  | .6  | 1.8 | 1.8            | .6    | .6       |       |                                    |        |        |        |        |        |       |      | 15       | 15       | 4         |                    |       |  |  |
| 34/ 33       |                                     |     | .6  | .6  | .6  | 1.2            | 1.8   |          |       |                                    |        |        |        |        |        |       |      | 8        | 8        | 2         |                    |       |  |  |
| 32/ 31       |                                     |     | .6  | 1.2 | .6  | 4.1            |       |          |       |                                    |        |        |        |        |        |       |      | 11       | 11       | 10        |                    |       |  |  |
| 3 / 29       |                                     | .6  |     | .6  |     | .6             |       |          |       |                                    |        |        |        |        |        |       |      | 3        | 3        | 5         |                    |       |  |  |
| 28/ 27       |                                     | .6  |     |     |     |                |       |          |       |                                    |        |        |        |        |        |       |      | 1        | 1        | 3         |                    |       |  |  |
| 26/ 25       |                                     |     |     |     |     |                |       |          |       |                                    |        |        |        |        |        |       |      |          |          | 4         |                    |       |  |  |
| 24/ 23       |                                     |     |     |     |     |                |       |          |       |                                    |        |        |        |        |        |       |      |          | 13       | 8         |                    |       |  |  |
| 22/ 21       |                                     |     |     |     |     |                |       |          |       |                                    |        |        |        |        |        |       |      |          | 8        | 4         |                    |       |  |  |
| 2 / 19       |                                     |     |     |     |     |                |       |          |       |                                    |        |        |        |        |        |       |      |          |          | 6         |                    |       |  |  |
| 18/ 17       |                                     |     |     |     |     |                |       |          |       |                                    |        |        |        |        |        |       |      |          |          | 4         |                    |       |  |  |
| 16/ 15       |                                     |     |     |     |     |                |       |          |       |                                    |        |        |        |        |        |       |      |          |          | 6         |                    |       |  |  |
| 14/ 13       |                                     |     |     |     |     |                |       |          |       |                                    |        |        |        |        |        |       |      |          |          | 8         |                    |       |  |  |
| 12/ 11       |                                     |     |     |     |     |                |       |          |       |                                    |        |        |        |        |        |       |      |          |          | 5         |                    |       |  |  |
| 10/ 9        |                                     |     |     |     |     |                |       |          |       |                                    |        |        |        |        |        |       |      |          |          | 8         |                    |       |  |  |
| 8/ 7         |                                     |     |     |     |     |                |       |          |       |                                    |        |        |        |        |        |       |      |          |          | 10        |                    |       |  |  |
| 6/ 5         |                                     |     |     |     |     |                |       |          |       |                                    |        |        |        |        |        |       |      |          |          | 10        |                    |       |  |  |
| 4/ 3         |                                     |     |     |     |     |                |       |          |       |                                    |        |        |        |        |        |       |      |          |          | 9         |                    |       |  |  |
| 2/ 1         |                                     |     |     |     |     |                |       |          |       |                                    |        |        |        |        |        |       |      |          |          | 6         |                    |       |  |  |
| 0/ -1        |                                     |     |     |     |     |                |       |          |       |                                    |        |        |        |        |        |       |      |          |          | 3         |                    |       |  |  |
| -2/ -3       |                                     |     |     |     |     |                |       |          |       |                                    |        |        |        |        |        |       |      |          |          | 13        |                    |       |  |  |
| -4/ -5       |                                     |     |     |     |     |                |       |          |       |                                    |        |        |        |        |        |       |      |          |          | 8         |                    |       |  |  |
| -6/ -7       |                                     |     |     |     |     |                |       |          |       |                                    |        |        |        |        |        |       |      |          |          | 8         |                    |       |  |  |
| -8/ -9       |                                     |     |     |     |     |                |       |          |       |                                    |        |        |        |        |        |       |      |          |          | 3         |                    |       |  |  |
| Element (X)  | Σ X <sup>2</sup>                    | Σ X |     | X̄  |     | s <sub>x</sub> |       | No. Obs. |       | Mean No. of Hours with Temperature |        |        |        |        |        |       |      |          |          |           |                    |       |  |  |
| Rel. Hum.    |                                     |     |     |     |     |                |       |          |       | ≤ 0 F                              | ≤ 32 F | ≥ 67 F | ≥ 73 F | ≥ 80 F | ≥ 93 F | Total |      |          |          |           |                    |       |  |  |
| Dry Bulb     |                                     |     |     |     |     |                |       |          |       |                                    |        |        |        |        |        |       |      |          |          |           |                    |       |  |  |
| Wet Bulb     |                                     |     |     |     |     |                |       |          |       |                                    |        |        |        |        |        |       |      |          |          |           |                    |       |  |  |
| Dew Point    |                                     |     |     |     |     |                |       |          |       |                                    |        |        |        |        |        |       |      |          |          |           |                    |       |  |  |

## PSYCHROMETRIC SUMMARY

DEC  
MONTH

PAGE 2 2100-2300  
HOURS (L. S. T.)

[illegible]

USAFETAC  
FORM  
RL 44  
0-26-5 (OL A)  
REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE



## PSYCHROMETRIC SUMMARY

DEC  
MONTH

ALL

HOURS (L. S. T.)

[illegible]

## PSYCHROMETRIC SUMMARY

ALL  
MONTH

ALL  
HOURS (L. S. T.)

[illegible]





GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

## MEANS AND STANDARD DEVIATIONS

DRY-BULB TEMPERATURES DEG F FROM HOURLY OBSERVATIONS

00001 MAUI OPTICAL SITE HI NORTH TOWER 77-80

| STATION    |           | STATION NAME |       |       |       |       |       |       |       |       |       | YEARS |       |        |
|------------|-----------|--------------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|--------|
| HRS (LST.) |           | JAN.         | FEB   | MAR   | APR.  | MAY   | JUN.  | JUL   | AUG.  | SEP.  | OCT   | NOV.  | DEC.  | ANNUAL |
| 0-02       | MEAN      | 40.0         | 38.0  | 40.5  | 40.6  | 47.2  | 47.9  | 47.3  | 51.1  | 44.2  | 40.8  | 43.3  | 43.4  | 43.2   |
|            | S D       | 3.866        | 4.571 | 3.513 | 5.740 | 4.129 | 3.767 | 3.569 | 5.245 | 7.949 | 3.573 | 4.625 | 6.049 | 6.105  |
|            | TOTAL OBS | 91           | 158   | 137   | 88    | 93    | 90    | 84    | 81    | 87    | 90    | 113   | 253   | 1365   |
| 3-05       | MEAN      | 39.0         | 38.7  | 41.3  | 41.3  | 46.8  | 46.6  | 47.3  | 53.7  | 44.1  | 40.5  | 43.1  | 43.4  | 43.4   |
|            | S D       | 3.703        | 4.593 | 3.615 | 4.522 | 3.414 | 3.121 | 3.308 | 4.924 | 7.748 | 2.147 | 4.139 | 5.553 | 5.864  |
|            | TOTAL OBS | 92           | 156   | 136   | 90    | 93    | 89    | 84    | 81    | 87    | 90    | 117   | 247   | 1362   |
| 6-08       | MEAN      | 39.0         | 38.2  | 41.4  | 42.5  | 48.5  | 48.8  | 48.6  | 53.1  | 44.6  | 40.9  | 43.7  | 43.8  | 43.9   |
|            | S D       | 4.252        | 4.474 | 3.686 | 5.350 | 3.963 | 4.242 | 3.977 | 4.589 | 7.807 | 3.117 | 5.003 | 5.434 | 6.269  |
|            | TOTAL OBS | 91           | 157   | 133   | 88    | 93    | 90    | 84    | 81    | 86    | 90    | 117   | 241   | 1351   |
| 9-11       | MEAN      | 41.8         | 41.1  | 45.1  | 45.0  | 52.7  | 53.2  | 52.8  | 56.1  | 48.6  | 44.0  | 48.2  | 47.4  | 47.5   |
|            | S D       | 5.208        | 5.646 | 4.014 | 5.960 | 3.943 | 4.783 | 3.992 | 5.844 | 7.446 | 3.362 | 5.620 | 6.318 | 6.923  |
|            | TOTAL OBS | 89           | 155   | 129   | 86    | 92    | 90    | 82    | 81    | 86    | 90    | 119   | 244   | 1343   |
| 12-14      | MEAN      | 43.6         | 43.0  | 47.6  | 46.0  | 53.1  | 53.6  | 54.1  | 57.4  | 49.7  | 46.8  | 49.7  | 48.8  | 49.0   |
|            | S D       | 6.082        | 5.829 | 4.064 | 5.906 | 5.392 | 4.933 | 3.790 | 5.561 | 7.425 | 4.376 | 6.222 | 6.452 | 6.926  |
|            | TOTAL OBS | 88           | 157   | 127   | 84    | 93    | 90    | 87    | 84    | 84    | 91    | 121   | 245   | 1351   |
| 15-17      | MEAN      | 42.1         | 42.1  | 46.2  | 44.9  | 52.3  | 52.4  | 52.7  | 56.1  | 48.8  | 45.3  | 47.7  | 47.4  | 47.7   |
|            | S D       | 5.929        | 5.447 | 4.158 | 5.248 | 5.573 | 4.587 | 4.317 | 4.438 | 7.238 | 3.741 | 6.217 | 6.559 | 6.793  |
|            | TOTAL OBS | 91           | 156   | 132   | 81    | 92    | 89    | 87    | 84    | 85    | 90    | 122   | 247   | 1356   |
| 18-20      | MEAN      | 40.0         | 38.7  | 42.2  | 42.3  | 48.8  | 49.4  | 49.0  | 51.6  | 44.6  | 41.0  | 44.3  | 44.2  | 44.2   |
|            | S D       | 4.795        | 4.209 | 4.045 | 4.182 | 5.301 | 4.770 | 3.795 | 5.436 | 7.190 | 3.453 | 5.072 | 5.922 | 6.219  |
|            | TOTAL OBS | 89           | 157   | 135   | 81    | 93    | 87    | 85    | 79    | 83    | 90    | 123   | 247   | 1349   |
| 21-23      | MEAN      | 39.6         | 38.1  | 40.9  | 40.8  | 47.8  | 48.3  | 47.2  | 50.2  | 43.7  | 40.6  | 44.0  | 43.3  | 43.2   |
|            | S D       | 4.647        | 4.385 | 3.864 | 4.705 | 5.324 | 4.356 | 4.184 | 5.241 | 7.586 | 3.636 | 4.877 | 6.184 | 6.171  |
|            | TOTAL OBS | 90           | 160   | 135   | 84    | 93    | 87    | 83    | 79    | 83    | 88    | 123   | 253   | 1358   |
| ALL HOURS  | MEAN      | 40.6         | 39.7  | 43.1  | 42.9  | 49.6  | 50.0  | 49.9  | 53.7  | 46.0  | 42.5  | 45.5  | 45.2  | 45.2   |
|            | S D       | 5.079        | 5.258 | 4.616 | 5.571 | 5.275 | 5.000 | 4.695 | 5.726 | 7.874 | 4.180 | 5.801 | 6.415 | 6.793  |
|            | TOTAL OBS | 721          | 1256  | 1064  | 682   | 742   | 712   | 676   | 650   | 681   | 719   | 959   | 1977  | 10835  |

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GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

# MEANS AND STANDARD DEVIATIONS

WET-BULB TEMPERATURES DEG F FROM HOURLY OBSERVATIONS

00001 MAUI OPTICAL SITE HI NORTH TOWER 78-80

| STATION   |           | STATION NAME |       |       |       |       |       |       |       |       |       |       |       | YEARS  |  |
|-----------|-----------|--------------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|--------|--|
| HRS (LST) |           | JAN.         | FEB   | MAR.  | APR.  | MAY   | JUN.  | JUL.  | AUG.  | SEP.  | OCT.  | NOV.  | DEC   | ANNUAL |  |
| 0-02      | MEAN      | 28.2         | 30.9  | 29.8  | 31.3  | 32.2  | 31.6  | 31.8  | 37.5  | 32.9  | 31.1  | 31.7  | 30.4  | 31.4   |  |
|           | S D       | 3.782        | 6.200 | 4.231 | 5.447 | 3.076 | 2.537 | 3.276 | 5.146 | 7.684 | 2.691 | 3.487 | 4.521 | 5.015  |  |
|           | TOTAL OBS | 82           | 125   | 137   | 88    | 93    | 90    | 84    | 81    | 87    | 69    | 98    | 169   | 1203   |  |
| 03-05     | MEAN      | 27.9         | 31.4  | 30.2  | 32.5  | 32.2  | 31.3  | 31.5  | 38.5  | 34.3  | 31.1  | 31.4  | 31.3  | 31.8   |  |
|           | S D       | 4.192        | 5.660 | 4.252 | 5.474 | 2.708 | 2.871 | 3.016 | 4.783 | 8.065 | 1.761 | 3.146 | 4.744 | 5.083  |  |
|           | TOTAL OBS | 83           | 122   | 136   | 90    | 93    | 89    | 84    | 81    | 87    | 67    | 99    | 166   | 1197   |  |
| 06-08     | MEAN      | 27.9         | 31.0  | 30.3  | 32.4  | 32.7  | 32.4  | 32.2  | 38.2  | 33.8  | 31.5  | 31.7  | 31.1  | 31.9   |  |
|           | S D       | 4.409        | 5.360 | 4.452 | 4.801 | 2.676 | 2.860 | 3.017 | 5.108 | 8.145 | 2.177 | 3.279 | 4.531 | 5.013  |  |
|           | TOTAL OBS | 82           | 124   | 132   | 88    | 93    | 90    | 84    | 81    | 86    | 67    | 99    | 159   | 1185   |  |
| 09-11     | MEAN      | 31.2         | 34.2  | 33.5  | 34.6  | 36.1  | 35.3  | 35.5  | 41.1  | 36.5  | 34.0  | 34.8  | 33.6  | 34.9   |  |
|           | S D       | 3.946        | 5.292 | 4.106 | 4.904 | 2.885 | 2.748 | 3.669 | 4.954 | 7.409 | 2.486 | 3.236 | 4.928 | 4.926  |  |
|           | TOTAL OBS | 83           | 118   | 129   | 86    | 92    | 90    | 82    | 81    | 86    | 68    | 99    | 163   | 1177   |  |
| 12-14     | MEAN      | 32.4         | 36.2  | 36.1  | 35.5  | 37.9  | 36.3  | 37.1  | 43.0  | 37.2  | 35.8  | 36.9  | 34.8  | 36.5   |  |
|           | S D       | 4.018        | 5.531 | 3.993 | 4.702 | 3.860 | 3.689 | 4.741 | 4.121 | 7.271 | 2.529 | 3.006 | 5.157 | 5.081  |  |
|           | TOTAL OBS | 82           | 121   | 126   | 84    | 93    | 90    | 87    | 84    | 84    | 68    | 100   | 160   | 1179   |  |
| 15-17     | MEAN      | 30.5         | 35.5  | 35.2  | 35.1  | 36.5  | 35.6  | 35.4  | 42.0  | 36.6  | 34.4  | 35.3  | 33.5  | 35.3   |  |
|           | S D       | 3.718        | 5.555 | 4.414 | 4.607 | 4.048 | 3.539 | 3.689 | 4.250 | 6.877 | 2.824 | 3.130 | 5.008 | 5.073  |  |
|           | TOTAL OBS | 85           | 120   | 131   | 81    | 92    | 89    | 87    | 84    | 85    | 68    | 103   | 163   | 1188   |  |
| 18-20     | MEAN      | 28.3         | 32.6  | 31.4  | 32.9  | 33.4  | 32.8  | 32.6  | 38.3  | 33.5  | 31.5  | 32.1  | 31.1  | 32.4   |  |
|           | S D       | 2.953        | 6.027 | 4.622 | 4.473 | 3.468 | 3.068 | 3.196 | 4.478 | 6.997 | 2.250 | 3.055 | 4.738 | 4.838  |  |
|           | TOTAL OBS | 83           | 119   | 135   | 81    | 93    | 87    | 85    | 79    | 83    | 70    | 105   | 162   | 1182   |  |
| 21-23     | MEAN      | 27.8         | 31.7  | 30.1  | 31.9  | 32.2  | 32.0  | 31.7  | 37.6  | 31.9  | 31.4  | 31.8  | 30.3  | 31.5   |  |
|           | S D       | 3.552        | 5.848 | 4.326 | 4.943 | 3.507 | 2.254 | 3.262 | 5.412 | 6.930 | 3.376 | 3.452 | 4.594 | 4.900  |  |
|           | TOTAL OBS | 84           | 120   | 133   | 84    | 93    | 87    | 83    | 79    | 83    | 70    | 105   | 169   | 1190   |  |
| ALL HOURS | MEAN      | 29.3         | 32.9  | 32.0  | 33.2  | 34.1  | 33.4  | 33.5  | 39.6  | 34.6  | 32.6  | 33.2  | 32.0  | 33.2   |  |
|           | S D       | 4.180        | 6.006 | 4.891 | 5.135 | 3.952 | 3.505 | 4.062 | 5.181 | 7.623 | 3.075 | 3.767 | 5.025 | 5.332  |  |
|           | TOTAL OBS | 664          | 969   | 1059  | 682   | 742   | 712   | 676   | 650   | 681   | 547   | 808   | 1311  | 9501   |  |

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

## MEANS AND STANDARD DEVIATIONS

DEW-POINT TEMPERATURES DEG F FROM HOURLY OBSERVATIONS

00001 MAUI OPTICAL SITE HI NORTH TOWER 78-80

| STATION   |           | STATION NAME |        |        |        |        |        |        |        |        |       |        |        | YEARS  |  |
|-----------|-----------|--------------|--------|--------|--------|--------|--------|--------|--------|--------|-------|--------|--------|--------|--|
| HRS (LST) |           | JAN          | FEB    | MAR    | APR    | MAY    | JUN    | JUL    | AUG    | SEP    | OCT   | NOV    | DEC    | ANNUAL |  |
| 0-02      | MEAN      | -0.7         | 11.6   | 5.0    | 10.5   | 2.6    | -9.8   | -1.9   | 16.5   | 13.2   | 14.7  | 8.8    | 8.0    | 6.6    |  |
|           | S D       | 21.375       | 24.303 | 21.138 | 21.533 | 13.799 | 22.054 | 16.539 | 15.992 | 15.536 | 6.306 | 13.585 | 16.660 | 19.398 |  |
|           | TOTAL OBS | 82           | 125    | 137    | 88     | 93     | 90     | 84     | 81     | 87     | 69    | 98     | 169    | 1203   |  |
| 03-05     | MEAN      | 2.7          | 11.9   | 5.7    | 12.5   | 3.2    | -5.8   | -2.0   | 15.3   | 18.0   | 16.3  | 7.3    | 10.9   | 8.0    |  |
|           | S D       | 18.690       | 24.123 | 19.507 | 23.139 | 15.774 | 20.730 | 14.627 | 16.385 | 16.739 | 3.231 | 14.210 | 16.252 | 19.094 |  |
|           | TOTAL OBS | 83           | 122    | 136    | 90     | 93     | 89     | 84     | 81     | 87     | 67    | 99     | 166    | 1197   |  |
| 6-08      | MEAN      | 3.1          | 11.8   | 4.8    | 10.6   | .8     | -6.2   | -2.2   | 15.1   | 16.3   | 16.2  | 6.6    | 9.6    | 7.2    |  |
|           | S D       | 18.534       | 23.658 | 20.494 | 22.092 | 16.090 | 20.461 | 14.899 | 16.418 | 15.290 | 4.397 | 15.372 | 16.014 | 19.015 |  |
|           | TOTAL OBS | 82           | 124    | 132    | 88     | 93     | 90     | 84     | 81     | 86     | 67    | 99     | 159    | 1185   |  |
| 9-11      | MEAN      | 11.8         | 17.7   | 12.5   | 15.2   | 7.7    | -0.8   | 3.9    | 20.3   | 18.2   | 19.2  | 11.9   | 12.7   | 12.5   |  |
|           | S D       | 15.604       | 21.922 | 16.947 | 19.755 | 15.290 | 18.754 | 15.877 | 15.935 | 14.622 | 5.707 | 11.943 | 15.956 | 17.344 |  |
|           | TOTAL OBS | 83           | 118    | 129    | 86     | 92     | 90     | 82     | 81     | 86     | 68    | 99     | 163    | 1177   |  |
| 12-14     | MEAN      | 13.2         | 21.1   | 17.8   | 18.3   | 14.1   | 3.4    | 6.8    | 25.9   | 18.8   | 19.5  | 16.5   | 15.2   | 15.9   |  |
|           | S D       | 13.551       | 20.485 | 15.539 | 16.189 | 16.948 | 19.651 | 18.491 | 11.426 | 15.152 | 5.009 | 10.488 | 14.602 | 16.488 |  |
|           | TOTAL OBS | 82           | 121    | 126    | 84     | 93     | 90     | 87     | 84     | 84     | 68    | 100    | 160    | 1179   |  |
| 15-17     | MEAN      | 8.8          | 19.5   | 17.1   | 18.5   | 10.1   | 2.8    | 3.2    | 24.9   | 18.6   | 17.8  | 14.7   | 13.2   | 14.2   |  |
|           | S D       | 13.107       | 22.164 | 16.194 | 17.517 | 17.003 | 19.454 | 16.034 | 11.536 | 13.728 | 6.221 | 10.872 | 14.363 | 16.739 |  |
|           | TOTAL OBS | 85           | 120    | 131    | 81     | 92     | 89     | 87     | 84     | 85     | 68    | 103    | 163    | 1188   |  |
| 18-20     | MEAN      | 3.8          | 16.1   | 8.2    | 14.4   | 3.4    | -4.9   | -1.3   | 19.3   | 14.6   | 15.1  | 9.1    | 10.1   | 9.0    |  |
|           | S D       | 14.754       | 23.496 | 20.240 | 19.342 | 16.759 | 19.978 | 14.774 | 13.785 | 15.899 | 5.227 | 12.263 | 15.212 | 18.116 |  |
|           | TOTAL OBS | 83           | 119    | 135    | 81     | 93     | 87     | 85     | 79     | 83     | 70    | 105    | 162    | 1182   |  |
| 21-23     | MEAN      | .7           | 13.1   | 4.9    | 12.5   | .6     | -7.8   | -1.8   | 18.2   | 10.2   | 15.3  | 8.6    | 8.5    | 6.9    |  |
|           | S D       | 18.203       | 24.811 | 21.570 | 21.246 | 15.622 | 21.048 | 16.204 | 15.938 | 15.843 | 6.988 | 12.962 | 15.431 | 19.103 |  |
|           | TOTAL OBS | 84           | 120    | 133    | 84     | 93     | 87     | 83     | 79     | 83     | 70    | 105    | 169    | 1190   |  |
| ALL HOURS | MEAN      | 5.4          | 15.3   | 9.4    | 14.0   | 5.3    | -3.6   | .6     | 19.5   | 16.0   | 16.7  | 10.5   | 11.0   | 10.0   |  |
|           | S D       | 17.522       | 23.358 | 19.746 | 20.391 | 16.505 | 20.248 | 16.171 | 15.210 | 15.564 | 5.741 | 13.166 | 15.722 | 18.509 |  |
|           | TOTAL OBS | 664          | 969    | 1059   | 682    | 742    | 712    | 676    | 650    | 681    | 547   | 808    | 1311   | 9501   |  |

## RELATIVE HUMIDITY

| STATION | STATION NAME                     |
|---------|----------------------------------|
| 0001    | MAUI OPTICAL SITE HI NORTH TOWER |

79-85

JAN  
MONTH

**CUMULATIVE PERCENTAGE FREQUENCY OF OCCURRENCE  
(FROM HOURLY OBSERVATIONS)**

| MONTH  | HOURS<br>(LST) | PERCENTAGE FREQUENCY OF RELATIVE HUMIDITY GREATER THAN |      |      |      |      |      |      |      |     | MEAN<br>RELATIVE<br>HUMIDITY | TOTAL<br>NO. OF<br>OBS. |
|--------|----------------|--|------|------|------|------|------|------|------|-----|------------------------------|-------------------------|
|        |                | 10%  | 20%  | 30%  | 40%  | 50%  | 60%  | 70%  | 80%  | 90% |                              |                         |
| JAN    | 1-0-02         | 69.5   | 42.7 | 31.7 | 25.6 | 17.1 | 13.4 | 9.8  | 7.3  | 6.1 | 27.8                         | 82                      |
|        | 3-05           | 75.9   | 51.8 | 38.6 | 26.5 | 21.7 | 16.9 | 13.3 | 7.2  | 4.8 | 30.6                         | 83                      |
|        | 6-08           | 76.8   | 57.3 | 37.8 | 24.4 | 15.9 | 13.4 | 12.2 | 8.5  | 4.9 | 30.4                         | 82                      |
|        | 9-11           | 85.5   | 61.4 | 49.4 | 36.1 | 27.7 | 24.1 | 18.1 | 14.5 | 8.4 | 36.5                         | 83                      |
|        | 12-14          | 90.2   | 64.6 | 51.2 | 32.9 | 22.0 | 17.1 | 14.6 | 9.8  | 4.9 | 36.3                         | 82                      |
|        | 15-17          | 87.1   | 55.3 | 38.8 | 28.2 | 18.8 | 15.3 | 9.4  | 7.1  | 3.5 | 32.1                         | 85                      |
|        | 18-2           | 79.5   | 43.4 | 27.7 | 26.5 | 20.5 | 15.7 | 12.0 | 8.4  | 7.2 | 29.9                         | 83                      |
|        | 21-23          | 71.4   | 44.0 | 27.4 | 22.6 | 21.4 | 17.9 | 10.7 | 8.3  | 6.0 | 28.2                         | 84                      |
|        |                |  |      |      |      |      |      |      |      |     |                              |                         |
|        |                |  |      |      |      |      |      |      |      |     |                              |                         |
|        |                |  |      |      |      |      |      |      |      |     |                              |                         |
|        |                |  |      |      |      |      |      |      |      |     |                              |                         |
|        |                |  |      |      |      |      |      |      |      |     |                              |                         |
| TOTALS |                | 79.5   | 52.6 | 37.8 | 27.9 | 20.6 | 16.7 | 12.5 | 6.9  | 5.7 | 31.7                         | 664                     |

GLOBAL CLIMATOLOGY BRANCH  
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## RELATIVE HUMIDITY

0001 MAUI OPTICAL SITE HI NORTH TOWER  
STATION STATION NAME

79-80  
PERIOD

FEB  
MONTH

### CUMULATIVE PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

| MONTH  | HOURS<br>(LST) | PERCENTAGE FREQUENCY OF RELATIVE HUMIDITY GREATER THAN |      |      |      |      |      |      |      |      | MEAN<br>RELATIVE<br>HUMIDITY | TOTAL<br>NO. OF<br>OBS. |
|--------|----------------|--|------|------|------|------|------|------|------|------|------------------------------|-------------------------|
|        |                | 10%  | 20%  | 30%  | 40%  | 50%  | 60%  | 70%  | 80%  | 90%  |                              |                         |
| FEB    | 0-12           | 76.0   | 64.8 | 59.2 | 56.0 | 47.2 | 40.0 | 35.2 | 32.8 | 25.6 | 49.1                         | 125                     |
|        | 13-05          | 73.0   | 60.7 | 59.0 | 55.7 | 52.5 | 44.3 | 40.2 | 32.0 | 25.4 | 49.4                         | 122                     |
|        | 06-08          | 74.2   | 63.7 | 59.7 | 55.6 | 49.2 | 44.4 | 40.3 | 35.5 | 18.5 | 49.9                         | 124                     |
|        | 09-11          | 80.5   | 64.4 | 64.4 | 57.6 | 52.5 | 48.3 | 45.8 | 36.4 | 18.6 | 53.3                         | 118                     |
|        | 12-14          | 90.1   | 71.1 | 66.9 | 58.7 | 46.3 | 42.1 | 31.8 | 32.2 | 17.4 | 52.0                         | 121                     |
|        | 15-17          | 80.8   | 71.7 | 65.0 | 55.8 | 49.2 | 49.2 | 43.3 | 35.8 | 19.2 | 52.9                         | 120                     |
|        | 18-20          | 82.4   | 72.3 | 62.2 | 57.1 | 52.9 | 51.3 | 45.4 | 37.0 | 22.7 | 53.8                         | 119                     |
|        | 21-23          | 75.0   | 67.5 | 62.5 | 59.2 | 52.5 | 45.8 | 40.0 | 33.3 | 18.3 | 50.9                         | 120                     |
|        |                |  |      |      |      |      |      |      |      |      |                              |                         |
|        |                |  |      |      |      |      |      |      |      |      |                              |                         |
|        |                |  |      |      |      |      |      |      |      |      |                              |                         |
|        |                |  |      |      |      |      |      |      |      |      |                              |                         |
|        |                |  |      |      |      |      |      |      |      |      |                              |                         |
| TOTALS |                | 79.0   | 67.0 | 62.4 | 57.0 | 50.3 | 45.7 | 41.1 | 34.4 | 20.7 | 51.4                         | 969                     |

## RELATIVE HUMIDITY

MAR  
MONTH

| MONTH  | HOURS<br>(L.S.T.) | PERCENTAGE FREQUENCY OF RELATIVE HUMIDITY GREATER THAN |      |      |      |      |      |      |      |      | MEAN<br>RELATIVE<br>HUMIDITY | TOTAL<br>NO. OF<br>OBS. |
|--------|-------------------|--|------|------|------|------|------|------|------|------|------------------------------|-------------------------|
|        |                   | 10%  | 20%  | 30%  | 40%  | 50%  | 60%  | 70%  | 80%  | 90%  |                              |                         |
| MAR    | 0-02              | 80.3   | 54.7 | 37.2 | 24.1 | 22.6 | 18.2 | 14.6 | 13.9 | 9.5  | 32.8                         | 137                     |
|        | 3-05              | 83.8   | 54.4 | 31.6 | 24.3 | 19.1 | 16.2 | 14.0 | 14.0 | 11.8 | 31.9                         | 136                     |
|        | 6-08              | 81.1   | 51.5 | 31.1 | 23.5 | 18.9 | 15.2 | 15.2 | 14.4 | 7.6  | 31.1                         | 132                     |
|        | 09-11             | 88.4   | 59.7 | 36.4 | 22.5 | 20.9 | 20.9 | 20.2 | 17.8 | 5.4  | 34.8                         | 129                     |
|        | 12-14             | 89.7   | 69.0 | 52.4 | 34.1 | 24.6 | 18.3 | 15.9 | 13.5 | 4.8  | 37.9                         | 126                     |
|        | 15-17             | 90.8   | 64.1 | 55.0 | 35.1 | 27.5 | 20.6 | 18.3 | 13.0 | 7.6  | 38.9                         | 131                     |
|        | 18-21             | 80.0   | 55.6 | 40.7 | 29.6 | 24.4 | 20.7 | 18.5 | 17.8 | 8.9  | 34.9                         | 135                     |
|        | 22-23             | 76.7   | 53.4 | 36.8 | 26.3 | 21.1 | 18.8 | 18.0 | 14.3 | 11.3 | 32.9                         | 133                     |
|        |                   |  |      |      |      |      |      |      |      |      |                              |                         |
|        |                   |  |      |      |      |      |      |      |      |      |                              |                         |
|        |                   |  |      |      |      |      |      |      |      |      |                              |                         |
|        |                   |  |      |      |      |      |      |      |      |      |                              |                         |
| TOTALS |                   | 83.9   | 57.8 | 40.2 | 27.4 | 22.4 | 18.6 | 16.8 | 14.8 | 8.4  | 34.4                         | 1059                    |

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
ATP WEATHER SERVICE/MAC

## RELATIVE HUMIDITY

0001 MAUI OPTICAL SITE W/ NORTH TOWER  
STATION STATION NAME

79

PERIOD

APR  
MONTH

### CUMULATIVE PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

| MONTH  | HOURS<br>(L.S.T.) | PERCENTAGE FREQUENCY OF RELATIVE HUMIDITY GREATER THAN |      |      |      |      |      |      |      |      | MEAN<br>RELATIVE<br>HUMIDITY | TOTAL<br>NO. OF<br>OBS. |
|--------|-------------------|--|------|------|------|------|------|------|------|------|------------------------------|-------------------------|
|        |                   | 10%  | 20%  | 30%  | 40%  | 50%  | 60%  | 70%  | 80%  | 90%  |                              |                         |
| APR    | 00-02             | 78.4   | 54.5 | 54.5 | 48.9 | 40.9 | 33.0 | 29.5 | 17.0 | 11.4 | 42.3                         | 88                      |
|        | 03-05             | 74.4   | 63.3 | 52.2 | 47.8 | 37.8 | 35.6 | 33.3 | 31.1 | 27.8 | 46.4                         | 90                      |
|        | 06-08             | 75.0   | 65.9 | 54.5 | 40.9 | 34.1 | 26.1 | 22.7 | 18.2 | 12.5 | 40.5                         | 88                      |
|        | 09-11             | 81.4   | 76.7 | 55.8 | 37.2 | 31.4 | 27.9 | 24.4 | 16.3 | 8.1  | 41.3                         | 86                      |
|        | 12-14             | 92.9   | 72.6 | 54.8 | 38.1 | 31.0 | 22.6 | 20.2 | 19.0 | 11.9 | 41.9                         | 84                      |
|        | 15-17             | 88.9   | 71.6 | 66.7 | 46.9 | 34.6 | 27.2 | 27.2 | 22.2 | 9.9  | 45.0                         | 81                      |
|        | 18-20             | 80.2   | 66.7 | 55.6 | 46.9 | 38.3 | 32.1 | 32.1 | 25.9 | 11.1 | 44.3                         | 81                      |
|        | 21-23             | 77.4   | 60.7 | 59.5 | 47.6 | 40.5 | 36.9 | 33.3 | 27.4 | 11.9 | 45.3                         | 84                      |
|        |                   |  |      |      |      |      |      |      |      |      |                              |                         |
|        |                   |  |      |      |      |      |      |      |      |      |                              |                         |
|        |                   |  |      |      |      |      |      |      |      |      |                              |                         |
|        |                   |  |      |      |      |      |      |      |      |      |                              |                         |
|        |                   |  |      |      |      |      |      |      |      |      |                              |                         |
| TOTALS |                   | 81.1   | 66.5 | 56.7 | 44.3 | 36.1 | 30.2 | 27.8 | 22.1 | 13.1 | 43.4                         | 682                     |



GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

# RELATIVE HUMIDITY

0001 MAUI OPTICAL SITE HI NORTH TOWER 79 MAY  
STATION STATION NAME PERIOD MONTH

## CUMULATIVE PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

| MONTH  | HOURS<br>(LST) | PERCENTAGE FREQUENCY OF RELATIVE HUMIDITY GREATER THAN |      |      |      |     |     |     |     |     | MEAN<br>RELATIVE<br>HUMIDITY | TOTAL<br>NO. OF<br>OBS. |
|--------|----------------|--|------|------|------|-----|-----|-----|-----|-----|------------------------------|-------------------------|
|        |                | 10%  | 20%  | 30%  | 40%  | 50% | 60% | 70% | 80% | 90% |                              |                         |
| MAY    | 0-02           | 72.7   | 34.4 | 17.2 | 4.3  | 2.2 | 2.2 | 1.1 | 1.1 |     | 18.9                         | 93                      |
|        | 03-05          | 73.1   | 41.9 | 20.4 | 5.4  | 2.2 | 2.2 |     |     |     | 20.2                         | 93                      |
|        | 06-08          | 65.6   | 28.0 | 12.9 | 4.3  | 3.2 | 2.2 |     |     |     | 17.2                         | 93                      |
|        | 09-11          | 79.3   | 38.0 | 16.3 | 5.4  |     |     |     |     |     | 19.3                         | 92                      |
|        | 12-14          | 82.8   | 58.1 | 38.7 | 15.1 | 6.5 | 1.1 | 1.1 |     |     | 25.7                         | 93                      |
|        | 15-17          | 79.3   | 45.7 | 29.3 | 12.0 | 3.3 | 2.2 |     |     |     | 22.4                         | 92                      |
|        | 18-20          | 67.7   | 32.3 | 19.4 | 10.8 | 7.5 | 4.3 | 2.2 | 1.1 | 1.1 | 20.2                         | 93                      |
|        | 21-23          | 67.7   | 26.9 | 18.3 | 5.4  | 3.2 | 1.1 | 1.1 |     |     | 17.6                         | 93                      |
|        |                |  |      |      |      |     |     |     |     |     |                              |                         |
|        |                |  |      |      |      |     |     |     |     |     |                              |                         |
|        |                |  |      |      |      |     |     |     |     |     |                              |                         |
|        |                |  |      |      |      |     |     |     |     |     |                              |                         |
|        |                |  |      |      |      |     |     |     |     |     |                              |                         |
| TOTALS |                | 73.4   | 38.2 | 21.6 | 7.8  | 3.5 | 1.9 | .7  | .3  | .1  | 20.2                         | 742                     |

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

# RELATIVE HUMIDITY

00001 HAWAII OPTICAL SITE HI NORTH TOWER 79 JUN  
STATION STATION NAME PERIOD MONTH

## CUMULATIVE PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

| MONTH  | HOURS<br>(LST) | PERCENTAGE FREQUENCY OF RELATIVE HUMIDITY GREATER THAN |      |      |      |      |     |     |     |     | MEAN<br>RELATIVE<br>HUMIDITY | TOTAL<br>NO. OF<br>OBS. |
|--------|----------------|--|------|------|------|------|-----|-----|-----|-----|------------------------------|-------------------------|
|        |                | 10%  | 20%  | 30%  | 40%  | 50%  | 60% | 70% | 80% | 90% |                              |                         |
| JUN    | 0-02           | 28.9   | 23.3 | 18.9 | 13.3 | 8.9  | 2.2 |     |     |     | 14.3                         | 90                      |
|        | 03-05          | 36.0   | 29.2 | 18.0 | 14.6 | 11.2 | 9.0 | 4.5 | 1.1 |     | 17.5                         | 89                      |
|        | 06-08          | 37.8   | 27.8 | 15.6 | 10.0 | 6.7  | 5.6 | 3.3 |     |     | 15.6                         | 90                      |
|        | 09-11          | 45.6   | 26.7 | 20.0 | 12.2 | 3.3  | 2.2 |     |     |     | 16.3                         | 90                      |
|        | 12-14          | 53.3   | 40.0 | 28.9 | 10.0 | 1.1  |     |     |     |     | 18.5                         | 90                      |
|        | 15-17          | 51.7   | 40.4 | 22.5 | 9.0  | 3.4  |     |     |     |     | 18.6                         | 89                      |
|        | 18-20          | 40.2   | 27.6 | 17.2 | 14.9 | 3.4  | 3.4 | 3.4 | 1.1 |     | 16.2                         | 87                      |
|        | 21-23          | 31.0   | 26.4 | 20.7 | 12.6 | 8.0  | 3.4 | 2.3 | 1.1 |     | 15.6                         | 87                      |
|        |                |  |      |      |      |      |     |     |     |     |                              |                         |
|        |                |  |      |      |      |      |     |     |     |     |                              |                         |
|        |                |  |      |      |      |      |     |     |     |     |                              |                         |
|        |                |  |      |      |      |      |     |     |     |     |                              |                         |
| TOTALS |                | 40.6   | 30.2 | 20.2 | 12.1 | 5.8  | 3.2 | 1.7 | .4  |     | 16.6                         | 712                     |

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

# RELATIVE HUMIDITY

0001 MAUI OPTICAL SITE HI NORTH TOWER  
STATION

79

PERIOD

JUL  
MONTH

## CUMULATIVE PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

| MONTH  | HOURS<br>(LST.) | PERCENTAGE FREQUENCY OF RELATIVE HUMIDITY GREATER THAN |      |      |      |     |     |     |     |     | MEAN<br>RELATIVE<br>HUMIDITY | TOTAL<br>NO. OF<br>OBS. |
|--------|-----------------|--|------|------|------|-----|-----|-----|-----|-----|------------------------------|-------------------------|
|        |                 | 10%  | 20%  | 30%  | 40%  | 50% | 60% | 70% | 80% | 90% |                              |                         |
| JUL    | 00-02           | 44.0   | 26.2 | 20.2 | 11.9 | 7.1 | 1.2 |     |     |     | 17.2                         | 84                      |
|        | 03-05           | 41.7   | 21.4 | 16.7 | 10.7 | 6.0 | 2.4 |     |     |     | 16.3                         | 84                      |
|        | 06-08           | 41.7   | 20.2 | 14.3 | 10.7 | 6.0 | 2.4 | 1.2 |     |     | 15.8                         | 84                      |
|        | 09-11           | 52.4   | 30.5 | 18.3 | 12.2 | 2.4 |     |     |     |     | 17.5                         | 82                      |
|        | 12-14           | 49.4   | 33.3 | 28.7 | 21.8 | 4.6 | 3.4 | 1.1 |     |     | 20.1                         | 87                      |
|        | 15-17           | 46.0   | 32.2 | 17.2 | 11.5 | 1.1 |     |     |     |     | 16.9                         | 87                      |
|        | 18-20           | 43.5   | 25.9 | 14.1 | 8.2  | 5.9 |     |     |     |     | 15.6                         | 85                      |
|        | 21-23           | 45.8   | 28.9 | 16.9 | 13.3 | 3.6 | 1.2 |     |     |     | 17.1                         | 83                      |
|        |                 |  |      |      |      |     |     |     |     |     |                              |                         |
|        |                 |  |      |      |      |     |     |     |     |     |                              |                         |
|        |                 |  |      |      |      |     |     |     |     |     |                              |                         |
|        |                 |  |      |      |      |     |     |     |     |     |                              |                         |
| TOTALS |                 | 45.6   | 27.3 | 18.3 | 12.5 | 4.6 | 1.3 | .3  |     |     | 17.1                         | 676                     |

GLOBAL CLIMATOLOGY BRANCH  
USAF ETAC  
AIR WEATHER SERVICE/MAC

# RELATIVE HUMIDITY

0301 MAUI OPTICAL SITE HI NORTH TOWER  
STATION STATION NAME

79

PERIOD

AUG  
MONTH

## CUMULATIVE PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

| MONTH  | HOURS<br>(L.S.T.) | PERCENTAGE FREQUENCY OF RELATIVE HUMIDITY GREATER THAN |      |      |      |      |     |     |     |     | MEAN<br>RELATIVE<br>HUMIDITY | TOTAL<br>NO. OF<br>OBS. |
|--------|-------------------|--|------|------|------|------|-----|-----|-----|-----|------------------------------|-------------------------|
|        |                   | 10%  | 20%  | 30%  | 40%  | 50%  | 60% | 70% | 80% | 90% |                              |                         |
| AUG    | 01-02             | 79.0   | 63.0 | 48.1 | 32.1 | 16.0 | 6.2 | 3.7 |     |     | 31.0                         | 81                      |
|        | 03-05             | 76.5   | 60.5 | 35.8 | 22.2 | 13.6 | 4.9 | 4.9 | 1.2 |     | 27.5                         | 81                      |
|        | 06-08             | 79.0   | 59.3 | 38.3 | 24.7 | 11.1 | 4.9 |     |     |     | 27.2                         | 81                      |
|        | 09-11             | 82.7   | 66.7 | 45.7 | 24.7 | 11.1 | 6.2 | 4.9 | 4.9 | 2.5 | 30.5                         | 81                      |
|        | 12-14             | 92.9   | 81.0 | 51.2 | 27.4 | 13.1 | 6.0 | 3.6 | 2.4 | 1.2 | 33.6                         | 84                      |
|        | 15-17             | 94.0   | 81.0 | 56.0 | 26.2 | 13.1 | 4.8 | 1.2 |     |     | 33.2                         | 84                      |
|        | 18-20             | 86.1   | 72.2 | 46.8 | 35.4 | 19.0 | 8.9 | 3.8 |     |     | 32.8                         | 79                      |
|        | 21-23             | 84.8   | 67.1 | 50.6 | 38.0 | 24.1 | 8.9 | 5.1 |     |     | 34.0                         | 79                      |
|        |                   |  |      |      |      |      |     |     |     |     |                              |                         |
|        |                   |  |      |      |      |      |     |     |     |     |                              |                         |
|        |                   |  |      |      |      |      |     |     |     |     |                              |                         |
|        |                   |  |      |      |      |      |     |     |     |     |                              |                         |
| TOTALS |                   | 84.4   | 68.9 | 46.6 | 28.8 | 15.1 | 6.4 | 3.4 | 1.1 | .5  | 31.2                         | 650                     |

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

# RELATIVE HUMIDITY

0001 MAUI OPTICAL SITE HI NORTH TOWER  
STATION STATION NAME

79

PERIOD

SEP  
MONTH

## CUMULATIVE PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

| MONTH  | HOURS<br>(L.S.T.) | PERCENTAGE FREQUENCY OF RELATIVE HUMIDITY GREATER THAN |      |      |      |      |      |      |     |     | MEAN<br>RELATIVE<br>HUMIDITY | TOTAL<br>NO. OF<br>OBS. |
|--------|-------------------|--|------|------|------|------|------|------|-----|-----|------------------------------|-------------------------|
|        |                   | 10%  | 20%  | 30%  | 40%  | 50%  | 60%  | 70%  | 80% | 90% |                              |                         |
| SEP    | 00-02             | 95.4   | 65.5 | 37.9 | 28.7 | 19.5 | 13.8 | 3.4  | 2.3 |     | 32.6                         | 87                      |
|        | 03-05             | 95.4   | 61.6 | 59.8 | 36.8 | 28.7 | 20.7 | 11.5 | 5.7 | 3.4 | 40.2                         | 87                      |
|        | 06-08             | 96.5   | 61.4 | 50.0 | 32.6 | 22.1 | 9.3  | 7.0  | 2.3 | 1.2 | 35.7                         | 86                      |
|        | 09-11             | 97.7   | 70.9 | 46.5 | 34.9 | 17.4 | 7.0  |      |     |     | 33.3                         | 86                      |
|        | 12-14             | 94.0   | 72.6 | 52.4 | 27.4 | 11.9 | 7.1  | 2.4  |     |     | 32.9                         | 84                      |
|        | 15-17             | 96.5   | 77.6 | 44.7 | 32.9 | 12.9 | 4.7  | 1.2  |     |     | 33.0                         | 85                      |
|        | 18-20             | 94.0   | 72.3 | 44.6 | 28.9 | 16.7 | 10.8 | 8.4  | 4.8 | 1.2 | 34.2                         | 83                      |
|        | 21-23             | 91.6   | 68.7 | 34.9 | 18.1 | 12.0 | 6.0  | 1.2  | 1.2 | 1.2 | 29.1                         | 83                      |
|        |                   |  |      |      |      |      |      |      |     |     |                              |                         |
|        |                   |  |      |      |      |      |      |      |     |     |                              |                         |
|        |                   |  |      |      |      |      |      |      |     |     |                              |                         |
|        |                   |  |      |      |      |      |      |      |     |     |                              |                         |
| TOTALS |                   | 95.1   | 73.8 | 46.4 | 30.0 | 17.7 | 9.9  | 4.4  | 2.0 | .9  | 33.9                         | 681                     |

GLOBAL CLIMATOLOGY BRANCH  
USAF ETAC  
AIR WEATHER SERVICE/MAC

# RELATIVE HUMIDITY

0001 NAUI OPTICAL SITE HI NORTH TOWER  
STATION STATION NAME

79

PERIOD

OCT  
MONTH

## CUMULATIVE PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

| MONTH  | HOURS<br>(L.S.T.) | PERCENTAGE FREQUENCY OF RELATIVE HUMIDITY GREATER THAN |      |      |      |     |     |     |     |     | MEAN<br>RELATIVE<br>HUMIDITY | TOTAL<br>NO. OF<br>OBS. |
|--------|-------------------|--|------|------|------|-----|-----|-----|-----|-----|------------------------------|-------------------------|
|        |                   | 10%  | 20%  | 30%  | 40%  | 50% | 60% | 70% | 80% | 90% |                              |                         |
| OCT    | 0-02              | 98.6   | 91.3 | 76.8 | 18.8 | 1.4 |     |     |     |     | 34.7                         | 69                      |
|        | 3-05              | 100.0  | 98.5 | 95.5 | 20.9 |     |     |     |     |     | 37.5                         | 67                      |
|        | 6-08              | 100.0  | 97.0 | 92.5 | 19.4 | 3.0 |     |     |     |     | 36.6                         | 67                      |
|        | 9-11              | 100.0  | 95.6 | 92.6 | 29.4 | 4.4 |     |     |     |     | 37.4                         | 68                      |
|        | 12-14             | 100.0  | 94.1 | 67.6 | 16.2 |     |     |     |     |     | 33.4                         | 68                      |
|        | 15-17             | 98.5   | 94.1 | 69.1 | 14.7 |     |     |     |     |     | 33.3                         | 68                      |
|        | 18-20             | 100.0  | 91.4 | 80.0 | 15.7 | 1.4 |     |     |     |     | 34.3                         | 70                      |
|        | 21-23             | 100.0  | 91.4 | 75.7 | 22.9 | 4.3 | 1.4 | 1.4 | 1.4 | 1.4 | 35.7                         | 70                      |
|        |                   |  |      |      |      |     |     |     |     |     |                              |                         |
|        |                   |  |      |      |      |     |     |     |     |     |                              |                         |
|        |                   |  |      |      |      |     |     |     |     |     |                              |                         |
|        |                   |  |      |      |      |     |     |     |     |     |                              |                         |
| TOTALS |                   | 99.6   | 94.2 | 81.2 | 19.8 | 1.8 | .2  | .2  | .2  | .2  | 35.4                         | 547                     |

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIP WEATHER SERVICE/MAC

# RELATIVE HUMIDITY

NOO: MAUI OPTICAL SITE HI NORTH TOWER  
STATION STATION NAME

78-79

PERIOD

NOV  
MONTH

## CUMULATIVE PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

| MONTH  | HOURS<br>(LST) | PERCENTAGE FREQUENCY OF RELATIVE HUMIDITY GREATER THAN |      |      |      |      |      |     |     |     | MEAN<br>RELATIVE<br>HUMIDITY | TOTAL<br>NO. OF<br>OBS. |
|--------|----------------|--|------|------|------|------|------|-----|-----|-----|------------------------------|-------------------------|
|        |                | 10%  | 20%  | 30%  | 40%  | 50%  | 60%  | 70% | 80% | 90% |                              |                         |
| NOV    | 00-02          | 92.9   | 39.8 | 33.7 | 26.5 | 21.4 | 11.2 | 5.1 | 3.1 |     | 28.9                         | 98                      |
|        | 03-05          | 83.8   | 39.4 | 30.3 | 23.2 | 19.2 | 14.1 | 5.1 | 3.0 |     | 27.8                         | 99                      |
|        | 6-08           | 82.8   | 38.4 | 31.3 | 24.2 | 16.2 | 12.1 | 6.1 | 3.0 | 1.0 | 27.1                         | 99                      |
|        | 9-11           | 92.9   | 36.4 | 31.3 | 23.2 | 18.2 | 9.1  | 1.0 |     |     | 27.1                         | 99                      |
|        | 12-14          | 96.0   | 51.0 | 40.0 | 26.0 | 17.0 | 8.0  | 2.0 |     |     | 30.1                         | 100                     |
|        | 15-17          | 96.1   | 52.4 | 41.7 | 28.2 | 19.4 | 7.8  | 1.9 |     |     | 30.4                         | 103                     |
|        | 18-20          | 91.4   | 43.8 | 29.5 | 24.8 | 17.1 | 9.5  | 2.9 |     |     | 27.7                         | 105                     |
|        | 21-23          | 87.6   | 42.9 | 31.4 | 23.8 | 17.1 | 11.4 | 3.6 |     |     | 27.7                         | 105                     |
|        |                |  |      |      |      |      |      |     |     |     |                              |                         |
|        |                |  |      |      |      |      |      |     |     |     |                              |                         |
|        |                |  |      |      |      |      |      |     |     |     |                              |                         |
|        |                |  |      |      |      |      |      |     |     |     |                              |                         |
|        |                |  |      |      |      |      |      |     |     |     |                              |                         |
| TOTALS |                | 90.4   | 43.0 | 33.7 | 25.0 | 18.2 | 10.4 | 3.5 | 1.1 | .1  | 28.4                         | 808                     |

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIP WEATHER SERVICE/MAC

## RELATIVE HUMIDITY

0001 MAUI OPTICAL SITE HI NORTH TOWER  
STATION STATION NAME

78-79  
PERIOD

DEC  
MONTH

### CUMULATIVE PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

| MONTH  | HOURS<br>(L.S.T.) | PERCENTAGE FREQUENCY OF RELATIVE HUMIDITY GREATER THAN |      |      |      |      |      |     |     |     | MEAN<br>RELATIVE<br>HUMIDITY | TOTAL<br>NO. OF<br>OBS. |
|--------|-------------------|--|------|------|------|------|------|-----|-----|-----|------------------------------|-------------------------|
|        |                   | 10%  | 20%  | 30%  | 40%  | 50%  | 60%  | 70% | 80% | 90% |                              |                         |
| DEC    | 0-02              | 82.8   | 56.2 | 42.6 | 29.0 | 23.1 | 15.4 | 9.5 | 7.1 | 4.7 | 32.6                         | 169                     |
|        | 03-05             | 86.7   | 60.8 | 47.1 | 39.8 | 29.5 | 15.7 | 9.7 | 7.2 | 7.2 | 35.6                         | 166                     |
|        | 06-08             | 84.3   | 59.7 | 45.3 | 33.3 | 23.9 | 11.9 | 6.3 | 5.0 | 3.8 | 33.1                         | 159                     |
|        | 09-11             | 88.3   | 60.1 | 42.3 | 31.9 | 22.1 | 9.2  | 7.4 | 6.7 | 5.5 | 33.2                         | 163                     |
|        | 12-14             | 89.4   | 68.1 | 47.5 | 32.5 | 18.1 | 10.0 | 6.9 | 4.4 | 3.1 | 33.5                         | 160                     |
|        | 15-17             | 92.6   | 63.8 | 41.1 | 32.5 | 20.9 | 9.2  | 8.0 | 5.5 | 2.5 | 33.1                         | 163                     |
|        | 18-20             | 88.3   | 59.3 | 40.1 | 30.9 | 22.8 | 16.0 | 8.0 | 6.2 | 2.5 | 33.3                         | 162                     |
|        | 21-23             | 88.8   | 58.0 | 40.2 | 27.8 | 21.9 | 14.2 | 8.9 | 5.9 | 2.4 | 32.6                         | 169                     |
|        |                   |  |      |      |      |      |      |     |     |     |                              |                         |
|        |                   |  |      |      |      |      |      |     |     |     |                              |                         |
|        |                   |  |      |      |      |      |      |     |     |     |                              |                         |
|        |                   |  |      |      |      |      |      |     |     |     |                              |                         |
| TOTALS |                   | 87.7   | 60.8 | 43.3 | 32.2 | 22.8 | 12.7 | 8.0 | 6.0 | 4.0 | 33.4                         | 1311                    |



GLOBAL CLIMATOLOGY BRANCH  
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# RELATIVE HUMIDITY

0001 MAUI OPTICAL SITE HI NORTH TOWER 78-80 ALL  
STATION STATION NAME PERIOD MONTH

## CUMULATIVE PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

| MONTH  | HOURS<br>(LST.) | PERCENTAGE FREQUENCY OF RELATIVE HUMIDITY GREATER THAN |      |      |      |      |      |      |      |      | MEAN<br>RELATIVE<br>HUMIDITY | TOTAL<br>NO. OF<br>OBS. |
|--------|-----------------|--|------|------|------|------|------|------|------|------|------------------------------|-------------------------|
|        |                 | 10%  | 20%  | 30%  | 40%  | 50%  | 60%  | 70%  | 80%  | 90%  |                              |                         |
| JAN    | ALL             | 79.5   | 52.6 | 37.8 | 27.9 | 20.6 | 16.7 | 12.5 | 8.9  | 5.7  | 31.7                         | 664                     |
| FEB    |                 | 79.0   | 67.0 | 62.4 | 57.1 | 50.3 | 45.7 | 41.1 | 34.4 | 20.7 | 51.4                         | 969                     |
| MAR    |                 | 83.9   | 57.8 | 40.2 | 27.4 | 22.4 | 18.6 | 16.8 | 14.8 | 8.4  | 34.4                         | 1059                    |
| APR    |                 | 81.1   | 66.5 | 56.7 | 44.3 | 36.1 | 30.2 | 27.8 | 22.1 | 13.1 | 43.4                         | 682                     |
| MAY    |                 | 73.4   | 38.2 | 21.6 | 7.8  | 3.5  | 1.9  | .7   | .3   | .1   | 20.2                         | 742                     |
| JUN    |                 | 40.6   | 30.2 | 20.2 | 12.1 | 5.8  | 3.2  | 1.7  | .4   |      | 16.6                         | 712                     |
| JUL    |                 | 45.6   | 27.3 | 18.3 | 12.5 | 4.6  | 1.3  | .3   |      |      | 17.1                         | 676                     |
| AUG    |                 | 84.4   | 68.9 | 46.6 | 28.8 | 15.1 | 6.4  | 3.4  | 1.1  | .5   | 31.2                         | 650                     |
| SEP    |                 | 95.1   | 73.8 | 46.4 | 30.0 | 17.7 | 9.9  | 4.4  | 2.0  | .9   | 33.9                         | 681                     |
| OCT    |                 | 99.6   | 94.2 | 81.2 | 19.8 | 1.8  | .2   | .2   | .2   | .2   | 35.4                         | 547                     |
| NOV    |                 | 90.4   | 43.0 | 33.7 | 25.0 | 18.2 | 10.4 | 3.5  | 1.1  | .1   | 28.4                         | 808                     |
| DEC    |                 | 87.7   | 60.8 | 43.3 | 32.2 | 22.8 | 12.7 | 8.0  | 6.0  | 4.0  | 33.4                         | 1311                    |
| TOTALS |                 | 78.4   | 56.7 | 42.4 | 27.1 | 18.2 | 13.1 | 10.0 | 7.6  | 4.5  | 31.4                         | 9501                    |

U S AIR FORCE  
ENVIRONMENTAL TECHNICAL  
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PART F

PRESSURE SUMMARY

Presented in this part are two tables giving the means, standard deviations, and total number of observations of station pressure and sea-level pressure by month and annual for the local hourly observations corresponding to the eight 3-hourly synoptic times GCT. The same computations are also provided at the bottom of the page for all hours combined. All years of data available are combined in both of these tables, although the overall period is limited by service as indicated below.

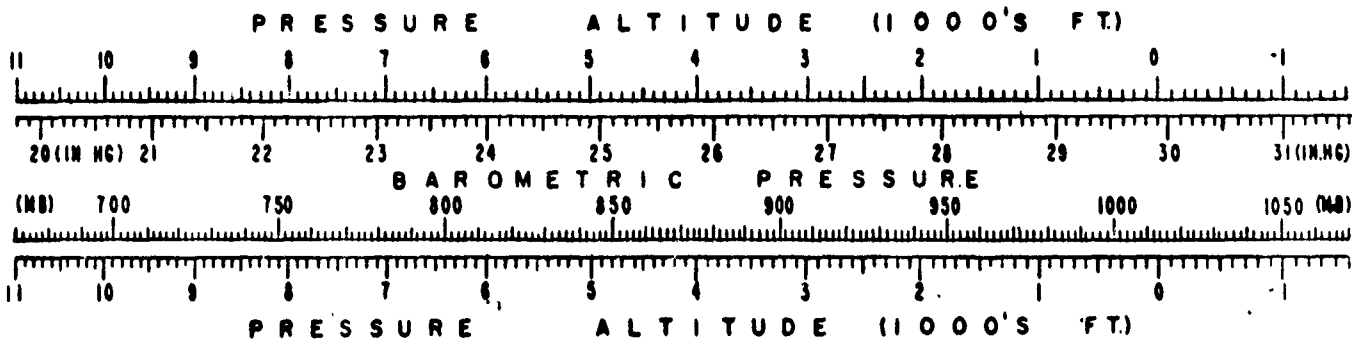
NOTES: Station pressure not reported for all services until late in 1945.

Station pressure reported only at 6-hourly times for Air Force stations from Jan 64 - Jul 65.

METAR stations do not report Sea-level pressure for the period Jan 68 - Dec 70.

1. Station pressure is presented in the table in inches of mercury.
2. Sea-level pressure is presented in millibars.

Provided below is a scale to convert station pressure values in inches of mercury or millibars to pressure-altitude in 1000's of feet. This scale is an enlarged model of the pressure-altitude scale in the Smithsonian Meteorological Tables.



GLOBAL CLIMATOLOGY BRANCH  
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## MEANS AND STANDARD DEVIATIONS

STATION PRESSURE IN INCHES HG FROM HOURLY OBSERVATIONS

00001 MAUI OPTICAL SITE HI NORTH TOWER 77-80

| STATION   |           | STATION NAME |        |        |        |        |        |        |        |        |        |        | YEARS  |        |
|-----------|-----------|--------------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| HRS (LST) |           | JAN          | FEB    | MAR    | APR    | MAY    | JUN    | JUL    | AUG    | SEP    | OCT    | NOV    | DEC    | ANNUAL |
| 0         | MEAN      | 20.868       | 20.877 | 20.901 | 20.876 | 20.927 | 20.935 | 20.978 | 20.987 | 20.969 | 20.959 | 20.927 | 20.914 | 20.924 |
|           | S D       | .061         | .081   | .069   | .059   | .037   | .035   | .059   | .049   | .048   | .069   | .073   | .086   | .075   |
|           | TOTAL OBS | 61           | 80     | 75     | 56     | 62     | 49     | 52     | 60     | 59     | 60     | 58     | 85     | 757    |
| 07        | MEAN      | 20.845       | 20.851 | 20.870 | 20.841 | 20.893 | 20.906 | 20.950 | 20.957 | 20.940 | 20.932 | 20.904 | 20.890 | 20.896 |
|           | S D       | .063         | .081   | .072   | .060   | .038   | .033   | .061   | .050   | .048   | .072   | .072   | .090   | .076   |
|           | TOTAL OBS | 60           | 78     | 74     | 56     | 62     | 49     | 52     | 61     | 59     | 60     | 58     | 84     | 753    |
| 06        | MEAN      | 20.839       | 20.846 | 20.864 | 20.840 | 20.890 | 20.903 | 20.945 | 20.953 | 20.938 | 20.931 | 20.901 | 20.886 | 20.892 |
|           | S D       | .064         | .078   | .070   | .061   | .038   | .036   | .061   | .049   | .046   | .069   | .074   | .091   | .076   |
|           | TOTAL OBS | 59           | 79     | 73     | 56     | 62     | 49     | 51     | 61     | 59     | 60     | 58     | 84     | 751    |
| 9         | MEAN      | 20.873       | 20.876 | 20.900 | 20.873 | 20.922 | 20.930 | 20.965 | 20.981 | 20.966 | 20.962 | 20.936 | 20.920 | 20.923 |
|           | S D       | .062         | .080   | .069   | .062   | .038   | .035   | .070   | .049   | .044   | .069   | .070   | .089   | .074   |
|           | TOTAL OBS | 61           | 78     | 73     | 53     | 61     | 49     | 51     | 59     | 59     | 61     | 58     | 82     | 745    |
| 12        | MEAN      | 20.873       | 20.883 | 20.903 | 20.877 | 20.927 | 20.933 | 20.980 | 20.988 | 20.970 | 20.959 | 20.926 | 20.916 | 20.926 |
|           | S D       | .062         | .083   | .068   | .063   | .038   | .034   | .062   | .050   | .045   | .069   | .074   | .089   | .075   |
|           | TOTAL OBS | 59           | 79     | 75     | 52     | 61     | 48     | 53     | 62     | 58     | 61     | 60     | 82     | 750    |
| 15        | MEAN      | 20.831       | 20.841 | 20.866 | 20.851 | 20.905 | 20.918 | 20.964 | 20.966 | 20.938 | 20.926 | 20.890 | 20.876 | 20.894 |
|           | S D       | .060         | .084   | .069   | .060   | .037   | .032   | .066   | .052   | .047   | .068   | .072   | .089   | .078   |
|           | TOTAL OBS | 61           | 80     | 75     | 54     | 62     | 48     | 53     | 60     | 57     | 62     | 61     | 82     | 755    |
| 18        | MEAN      | 20.843       | 20.847 | 20.865 | 20.843 | 20.898 | 20.908 | 20.954 | 20.958 | 20.936 | 20.931 | 20.899 | 20.883 | 20.894 |
|           | S D       | .062         | .081   | .069   | .064   | .037   | .032   | .064   | .050   | .045   | .068   | .069   | .088   | .075   |
|           | TOTAL OBS | 61           | 80     | 74     | 54     | 61     | 49     | 53     | 61     | 59     | 61     | 61     | 83     | 757    |
| 21        | MEAN      | 20.870       | 20.876 | 20.897 | 20.873 | 20.920 | 20.929 | 20.971 | 20.980 | 20.964 | 20.957 | 20.927 | 20.909 | 20.920 |
|           | S D       | .060         | .078   | .067   | .061   | .038   | .036   | .062   | .050   | .045   | .072   | .069   | .088   | .074   |
|           | TOTAL OBS | 61           | 80     | 74     | 54     | 61     | 48     | 52     | 61     | 58     | 60     | 61     | 86     | 756    |
| ALL HOURS | MEAN      | 20.855       | 20.862 | 20.883 | 20.859 | 20.910 | 20.920 | 20.964 | 20.971 | 20.953 | 20.945 | 20.914 | 20.899 | 20.909 |
|           | S D       | .063         | .082   | .071   | .063   | .040   | .036   | .064   | .051   | .048   | .071   | .073   | .090   | .077   |
|           | TOTAL OBS | 483          | 634    | 593    | 435    | 492    | 389    | 417    | 485    | 468    | 485    | 475    | 668    | 6024   |

U S AIR FORCE  
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PART C

SURFACE WINDS

Presented in this part are various tabulations of surface winds as follows:

1. Extreme Values - Peak Gusts: Derived from daily observations and presented by individual year and month for the entire period of record available. Speeds are presented in knots, while directions are given in 16 compass points from the beginning of record through June 1968, and in tens of degrees starting in July 1968. The extreme is selected and printed from available peak gusts for each year-month, however an asterisk (\*) is printed in the data block if less than 90% (3 or more missing observations) of the peak gusts are available for the month. An ALL MONTHS value is presented when every month of the year has valid observations. Means and standard deviations are also computed when four or more values are present for any column. A total raw count of valid observations is presented for each month and ALL MONTHS.

NOTE: According to Federal Meteorological Handbook No. 1 specifications (formerly Circular N), "peak gust data are recorded only at stations with continuous instantaneous wind-speed recorders."

2. Bivariate percentage frequency tabulations: Derived from hourly observations, these tabulations are a percentage frequency of wind directions to 16 compass points and calm by wind speeds (knots) in increments of Beaufort classifications. Percentages are shown by both directions and speed, and in addition the mean wind speed is given for each direction.

A separate category is provided on the form for variable winds, which are reported in some data sources. In these data where light and variable winds are reported with no directions but with speeds given, the speeds will be summarized in the appropriate groups opposite the column headed VRBL.

- a. Three tables are prepared for ALL WEATHER surface winds, all years combined, by: (1) Annual - all hours combined, (2) By month - all hours combined, and (3) By month - by standard 3-hour groups.
- b. A separate annual table is also presented for surface winds meeting INSTRUMENT CLASS conditions as follows: Ceiling 200 through 1400 feet inclusive with visibility equal to or greater than 1/2 mile, and/or visibility 1/2 through 2-1/2 miles inclusive with ceiling equal to or greater than 200 feet.

NOTE: A percentage frequency of ".0" in these tables represents one or more occurrences amounting to less than ".05" percent.

Means and standard deviations do not include measurements from incomplete months.

GLOBAL CLIMATOLOGY BRANCH  
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# SURFACE WINDS

## PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

|             |                      |             |       |                |
|-------------|----------------------|-------------|-------|----------------|
| 0002        | MAUI OPTICAL SITE HI | SOUTH TOWER | 78-80 | JAN            |
| STATION     | STATION NAME         |             | YEARS | MONTH          |
| ALL WEATHER |                      |             |       | 0000-0200      |
| CLASS       |                      |             |       | HOURS (L.S.T.) |
| CONDITION   |                      |             |       |                |

| SPEED<br>(KNTS)<br>DIR | 1 - 3 | 4 - 6 | 7 - 10 | 11 - 16 | 17 - 21 | 22 - 27 | 28 - 33 | 34 - 40 | 41 - 47 | 48 - 55 | ≥ 56 | %     | MEAN<br>WIND<br>SPEED |
|------------------------|-------|-------|--------|---------|---------|---------|---------|---------|---------|---------|------|-------|-----------------------|
| N                      | 1.1   | 2.3   | 2.3    | 2.3     | .6      | .6      | .6      |         |         |         |      | 9.7   | 11.5                  |
| NNE                    |       | 2.9   | 3.4    | 4.0     | 1.7     | 1.1     |         |         |         |         |      | 13.1  | 12.2                  |
| NE                     |       | .6    | 2.9    | 5.1     | 1.1     | .6      |         |         |         |         |      | 10.3  | 13.2                  |
| ENE                    | 1.1   | .6    |        | 1.7     | 1.1     |         |         |         |         |         |      | 4.6   | 10.6                  |
| E                      |       | .6    | 1.1    | 4.6     | .6      |         |         |         |         |         |      | 6.9   | 11.9                  |
| ESE                    |       | .6    | 1.7    | 1.1     |         |         |         |         |         |         |      | 3.4   | 9.2                   |
| SE                     |       | .6    | 1.7    | 1.1     | .6      |         |         |         |         |         |      | 4.0   | 10.3                  |
| SSE                    |       | .6    |        | .6      | .6      | .6      |         |         |         |         |      | 2.3   | 14.8                  |
| S                      | .6    |       |        | .6      | 1.7     |         |         |         |         |         |      | 2.9   | 14.8                  |
| SSW                    | .6    | .6    | 1.1    | 4.6     | 2.9     | .6      |         |         |         |         |      | 10.3  | 13.9                  |
| SW                     |       | 1.1   | .6     |         | 1.7     | 1.1     | .6      |         |         |         |      | 5.1   | 17.2                  |
| WSW                    | .6    | 1.1   | .6     | 1.1     |         | .6      |         |         |         |         |      | 4.0   | 9.4                   |
| W                      | 1.1   | 1.7   | 1.7    | 1.1     | 1.1     |         |         |         |         |         |      | 6.9   | 9.5                   |
| WNW                    | .6    | 1.1   |        | 1.1     | .6      |         |         |         |         |         |      | 3.4   | 9.5                   |
| NW                     | 1.1   | 2.9   | 1.1    | 1.7     | 1.1     |         |         |         |         |         |      | 8.0   | 9.1                   |
| NNW                    |       | .6    | 1.1    | 2.3     | .6      |         | .6      |         |         |         |      | 5.1   | 13.6                  |
| VARBL                  |       |       |        |         |         |         |         |         |         |         |      |       |                       |
| CALM                   |       |       |        |         |         |         |         |         |         |         |      |       |                       |
|                        | 6.9   | 17.7  | 19.4   | 33.1    | 16.0    | 5.1     | 1.7     |         |         |         |      | 100.0 | 11.9                  |

TOTAL NUMBER OF OBSERVATIONS 175

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

0002 MAUI OPTICAL SITE HI SOUTH TOWER 78-80  
STATION STATION NAME YEARS  
ALL WEATHER  
CLASS  
CONDITION  
JAN  
MONTH  
0300-0500  
HOURS (L.S.T.)

| SPEED<br>(KNTS)<br>DIR | 1 - 3 | 4 - 6 | 7 - 10 | 11 - 16 | 17 - 21 | 22 - 27 | 28 - 33 | 34 - 40 | 41 - 47 | 48 - 55 | ≥ 56 | %     | MEAN<br>WIND<br>SPEED |
|------------------------|-------|-------|--------|---------|---------|---------|---------|---------|---------|---------|------|-------|-----------------------|
| N                      | .6    | 4.1   | 1.7    | 1.2     | .6      | .6      |         |         |         |         |      | 8.7   | 9.0                   |
| NNE                    | .6    | 1.7   | 1.7    | 2.9     | 1.7     | 1.7     |         |         |         |         |      | 10.5  | 13.2                  |
| NE                     | 1.2   | .6    | 4.1    | 4.1     | 1.2     | 1.7     |         |         |         |         |      | 12.8  | 12.5                  |
| ENE                    |       |       | 1.2    | 1.7     | .6      |         |         |         |         |         |      | 3.5   | 12.8                  |
| E                      |       |       | .6     | 4.1     | 1.2     | .6      |         |         |         |         |      | 6.4   | 14.9                  |
| ESE                    |       | 1.7   |        | 1.2     |         |         |         |         |         |         |      | 2.9   | 8.2                   |
| SE                     |       | 1.2   | 1.2    |         |         |         |         |         |         |         |      | 2.3   | 5.5                   |
| SSE                    |       | 1.2   | 1.2    |         | 1.2     | .6      | .6      |         |         |         |      | 4.7   | 15.0                  |
| S                      |       | 2.3   |        |         |         | .6      |         |         |         |         |      | 2.9   | 9.0                   |
| SSW                    |       | 2.3   |        | 4.7     | 2.3     |         |         |         |         |         |      | 9.3   | 13.6                  |
| SW                     |       | 2.9   |        | 2.9     | 2.9     | 1.2     | .6      |         |         |         |      | 10.5  | 15.3                  |
| WSW                    | .6    | 1.2   | .6     | .6      | .6      |         |         |         |         |         |      | 3.5   | 10.0                  |
| W                      | 1.7   | .6    |        | 1.7     | 1.2     | .6      |         |         |         |         |      | 5.8   | 11.6                  |
| WNW                    | 1.2   | .6    |        |         | 1.2     |         |         |         |         |         |      | 2.9   | 9.6                   |
| NW                     |       | .6    | 1.2    | .6      | .6      |         |         |         |         |         |      | 2.9   | 11.4                  |
| NNW                    | .6    | 3.5   | 2.3    | 1.7     | 1.2     | 1.2     |         |         |         |         |      | 10.5  | 10.9                  |
| VARBL                  |       |       |        |         |         |         |         |         |         |         |      |       |                       |
| CALM                   |       |       |        |         |         |         |         |         |         |         |      |       |                       |
|                        | 6.4   | 24.4  | 15.7   | 27.3    | 16.3    | 8.7     | 1.2     |         |         |         |      | 100.0 | 12.1                  |

TOTAL NUMBER OF OBSERVATIONS 172

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

0002 MAUI OPTICAL SITE HI SOUTH TOWER 78-80 JAN  
STATION STATION NAME YEARS MONTH  
ALL WEATHER  
CLASS  
CONDITION  
0600-0800  
HOURS (LST)

| SPEED<br>(KNTS)<br>DIR | 1 - 3 | 4 - 6 | 7 - 10 | 11 - 16 | 17 - 21 | 22 - 27 | 28 - 33 | 34 - 40 | 41 - 47 | 48 - 55 | ≥ 56 | %     | MEAN<br>WIND<br>SPEED |
|------------------------|-------|-------|--------|---------|---------|---------|---------|---------|---------|---------|------|-------|-----------------------|
| N                      |       | 3.0   | 1.2    | .6      | 1.2     | 1.2     |         |         |         |         |      | 7.3   | 12.5                  |
| NNE                    | .6    | .6    | 4.2    | 2.4     | 1.8     | .6      | 1.2     | 1.2     |         |         |      | 12.7  | 15.5                  |
| NE                     |       | 1.8   | 3.0    | 4.2     | .6      | 1.2     |         |         |         |         |      | 10.9  | 11.8                  |
| ENE                    |       |       |        | 2.4     | .6      | 1.2     |         |         |         |         |      | 4.2   | 16.9                  |
| E                      |       | .6    | .6     | 1.2     | 1.2     |         |         |         |         |         |      | 3.6   | 13.2                  |
| ESE                    |       | 1.2   | 2.4    | 3.6     | .6      |         |         |         |         |         |      | 7.9   | 10.4                  |
| SE                     |       |       | 2.4    |         |         |         |         |         |         |         |      | 2.4   | 7.8                   |
| SSE                    |       |       |        |         | .6      | 1.2     |         | 1.2     |         |         |      | 3.0   | 28.6                  |
| S                      |       |       | .6     | .6      | .6      |         |         |         |         |         |      | 1.8   | 14.3                  |
| SSW                    | 1.2   | 1.2   | 1.2    | 4.8     | 1.2     |         |         |         |         |         |      | 9.7   | 11.5                  |
| SW                     |       | 1.8   | 1.2    | 2.4     | 1.8     | 1.2     | .6      |         |         |         |      | 9.1   | 14.3                  |
| WSW                    | 1.2   | .6    |        | 1.8     | .6      | 1.2     |         |         |         |         |      | 5.5   | 13.3                  |
| W                      | 1.2   | 1.8   |        | 4.2     |         | .6      |         |         |         |         |      | 7.9   | 10.4                  |
| WNW                    |       | 1.2   | 1.2    | .6      |         |         |         |         |         |         |      | 3.0   | 7.4                   |
| NW                     | .6    | 1.8   | .6     | .6      | 1.2     |         |         |         |         |         |      | 4.8   | 9.3                   |
| NNW                    | .6    | .6    | 2.4    | 1.2     | .6      | .6      |         |         |         |         |      | 6.1   | 11.0                  |
| VAPBL                  |       |       |        |         |         |         |         |         |         |         |      |       |                       |
| CALM                   |       |       |        |         |         |         |         |         |         |         |      |       |                       |
|                        | 5.5   | 16.4  | 21.2   | 30.9    | 12.7    | 9.1     | 1.8     | 2.4     |         |         |      | 100.0 | 12.8                  |

TOTAL NUMBER OF OBSERVATIONS 165

2  
GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

00002  
STATION

MAUI OPTICAL SITE HI SOUTH TOWER  
STATION NAME

78-80  
YEARS

JAN  
MONTH

ALL WEATHER  
CLASS

0900-1100  
HOURS (L.S.T.)

CONDITION

| SPEED<br>(KNTS)<br>DIR. | 1 - 3 | 4 - 6 | 7 - 10 | 11 - 16 | 17 - 21 | 22 - 27 | 28 - 33 | 34 - 40 | 41 - 47 | 48 - 55 | ≥ 56 | %     | MEAN<br>WIND<br>SPEED |
|-------------------------|-------|-------|--------|---------|---------|---------|---------|---------|---------|---------|------|-------|-----------------------|
| N                       |       | 2.4   | 2.9    | 1.2     |         |         | .6      |         |         |         |      | 7.1   | 9.9                   |
| NNE                     |       | 1.2   | 2.9    | 1.2     | .6      | 1.2     | .6      |         |         |         |      | 7.6   | 13.8                  |
| NE                      | .6    | 1.2   | 1.8    | 5.3     | 1.8     |         | 2.4     |         |         |         |      | 12.9  | 15.2                  |
| ENE                     |       | 1.2   | 3.5    | .6      |         | .6      |         |         |         |         |      | 5.9   | 10.3                  |
| E                       | .6    | .6    |        | 1.2     | .6      | .6      |         |         |         |         |      | 3.5   | 12.7                  |
| ESE                     |       | 1.8   | 1.2    | 2.9     |         |         |         |         |         |         |      | 5.9   | 9.6                   |
| SE                      | .6    | 1.2   |        | 1.2     |         |         |         |         |         |         |      | 2.9   | 7.4                   |
| SSE                     | .6    |       |        |         |         | .6      | .6      | .6      |         | .6      |      | 2.9   | 27.6                  |
| S                       | .6    | 1.2   | .6     |         | 1.8     |         |         |         |         |         |      | 4.1   | 10.9                  |
| SSW                     | .6    | 1.2   | .6     | 2.4     | 1.2     |         |         |         |         |         |      | 5.9   | 10.9                  |
| SW                      |       | 2.4   | 1.8    | 2.9     | 2.4     | 2.4     |         |         |         |         |      | 11.8  | 13.9                  |
| WSW                     | 1.2   | 1.2   | 1.8    | 3.5     | 1.2     |         |         |         |         |         |      | 8.8   | 10.6                  |
| W                       |       | 1.8   |        | .6      |         | .6      |         |         |         |         |      | 2.9   | 10.4                  |
| WNW                     | 1.2   |       | 1.2    |         | 1.8     |         |         |         |         |         |      | 4.1   | 10.4                  |
| NW                      | 1.8   | 1.2   | .6     | 1.8     |         |         |         |         |         |         |      | 5.3   | 6.9                   |
| NNW                     | 1.2   | .6    | 1.8    | 2.9     | 1.2     | .6      |         |         |         |         |      | 8.2   | 11.5                  |
| VARBL                   |       |       |        |         |         |         |         |         |         |         |      |       |                       |
| CALM                    |       |       |        |         |         |         |         |         |         |         |      |       |                       |
|                         | 8.8   | 18.8  | 20.6   | 27.6    | 12.4    | 6.5     | 4.1     | .6      |         | .6      |      | 100.0 | 12.1                  |

TOTAL NUMBER OF OBSERVATIONS

170



GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

## SURFACE WINDS

### PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

00002 MAUI OPTICAL SITE HI SOUTH TOWER 78-80  
STATION STATION NAME YEARS  
ALL WEATHER  
CLASS  
CONDITION  
JAN  
MONTH  
1200-1400  
HOURS (L.S.T.)

| SPEED<br>(KNTS)<br>DIR. | 1 - 3 | 4 - 6 | 7 - 10 | 11 - 14 | 17 - 21 | 22 - 27 | 28 - 33 | 34 - 40 | 41 - 47 | 48 - 55 | ≥ 56 | %     | MEAN<br>WIND<br>SPEED |
|-------------------------|-------|-------|--------|---------|---------|---------|---------|---------|---------|---------|------|-------|-----------------------|
| N                       | 1.7   | 2.8   | 3.4    | .6      |         | .6      |         |         |         |         |      | 8.9   | 7.8                   |
| NNE                     | .6    |       | 2.2    | 3.4     | .6      | 2.2     |         |         |         |         |      | 8.9   | 14.2                  |
| NE                      | .6    | 1.7   | 2.2    | 3.9     | 1.1     |         |         |         |         |         |      | 9.5   | 10.6                  |
| ENE                     |       | 1.1   | .6     | 3.9     | .6      |         |         |         |         |         |      | 6.1   | 12.6                  |
| E                       | .6    | 1.7   | 2.8    | 1.1     | .6      |         |         |         |         |         |      | 6.7   | 8.8                   |
| ESE                     |       | .6    | 2.2    | 3.9     |         |         |         |         |         |         |      | 6.7   | 11.2                  |
| SE                      |       |       | .6     |         |         |         |         |         |         |         |      | .6    | 8.0                   |
| SSE                     |       |       |        |         |         | .6      | 1.1     |         |         |         |      | 1.7   | 29.0                  |
| S                       | .6    | 1.1   |        |         | 1.1     | .6      |         |         |         |         |      | 3.4   | 13.3                  |
| SSW                     | .6    | .6    | .6     | 5.6     |         | .6      |         |         |         |         |      | 7.8   | 12.1                  |
| SW                      | .6    | 1.1   | 1.7    | 3.4     | 3.4     |         |         | .6      |         |         |      | 10.6  | 14.2                  |
| WSW                     | 1.1   | 1.7   | .6     | 3.9     | 1.1     |         |         |         |         |         |      | 8.4   | 10.7                  |
| W                       | .6    | 2.2   | 1.7    | 1.7     | .6      |         |         |         |         |         |      | 6.7   | 8.4                   |
| WNW                     |       | .6    | 2.2    | .6      |         |         |         |         |         |         |      | 3.4   | 9.2                   |
| NW                      | .6    | 2.8   | 1.1    |         | .6      |         |         |         |         |         |      | 5.0   | 7.1                   |
| NNW                     |       | 1.7   | 1.1    | 2.2     | .6      |         |         |         |         |         |      | 5.6   | 9.3                   |
| VARBL                   |       |       |        |         |         |         |         |         |         |         |      |       |                       |
| CALM                    |       |       |        |         |         |         |         |         |         |         |      |       |                       |
|                         | 7.3   | 19.6  | 22.9   | 34.1    | 10.1    | 3.9     | 1.7     | .6      |         |         |      | 100.0 | 11.1                  |

TOTAL NUMBER OF OBSERVATIONS 179

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

# SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)

00002  
STATION

MAUI OPTICAL SITE HI SOUTH TOWER  
STATION NAME

78-80  
YEARS

JAN  
MONTH

ALL WEATHER  
CLASS

1500-1700  
HOURS (L.S.T.)

CONDITION

| SPEED<br>(KNTS)<br>DIR. | 1 - 3 | 4 - 6 | 7 - 10 | 11 - 16 | 17 - 21 | 22 - 27 | 28 - 33 | 34 - 40 | 41 - 47 | 48 - 55 | ≥ 56 | %     | MEAN<br>WIND<br>SPEED |
|-------------------------|-------|-------|--------|---------|---------|---------|---------|---------|---------|---------|------|-------|-----------------------|
| N                       |       | .6    | 2.8    | 2.2     | .6      | .6      |         |         |         |         |      | 6.6   | 11.8                  |
| NNE                     |       |       | 3.3    | 4.4     | 2.2     | 1.7     |         |         |         |         |      | 11.6  | 14.9                  |
| NE                      | .6    | 1.7   | 1.7    | 3.3     | 1.7     | .6      |         |         |         |         |      | 9.4   | 11.9                  |
| ENE                     |       | 1.1   | 2.2    | 2.8     |         |         |         |         |         |         |      | 6.1   | 9.9                   |
| E                       |       | .6    | 3.3    | 2.8     | .6      |         |         |         |         |         |      | 7.2   | 10.8                  |
| ESE                     |       | 1.1   | 2.2    | .6      |         |         |         |         |         |         |      | 3.9   | 7.7                   |
| SE                      |       |       | .6     |         |         |         |         |         |         |         |      | .6    | 10.0                  |
| SSE                     |       |       | .6     | 1.1     |         |         | .6      | .6      |         |         |      | 2.8   | 20.4                  |
| S                       |       | 1.1   |        |         | .6      |         |         | .6      |         |         |      | 2.2   | 15.5                  |
| SSW                     | 1.1   | 1.1   | 2.2    | 2.2     | .6      | 1.7     |         |         |         |         |      | 8.8   | 11.9                  |
| SW                      | .6    | 1.1   | .6     | 4.4     | .6      | 1.7     | .6      |         |         |         |      | 9.4   | 14.4                  |
| WSW                     | .6    |       | .6     | 1.1     | 3.3     | 1.1     |         |         |         |         |      | 6.6   | 16.1                  |
| W                       | 2.2   | .6    | .6     |         | 1.7     |         |         |         |         |         |      | 5.0   | 8.2                   |
| WNW                     | 1.7   | 2.2   | 2.2    |         | 1.1     |         |         |         |         |         |      | 7.2   | 7.7                   |
| NW                      |       | 2.2   | 2.8    | 2.2     | .6      |         |         |         |         |         |      | 7.7   | 9.8                   |
| NNW                     | 1.7   | .6    | 2.2    |         | .6      |         |         |         |         |         |      | 5.0   | 7.0                   |
| VARBL                   |       |       |        |         |         |         |         |         |         |         |      |       |                       |
| CALM                    |       |       |        |         |         |         |         |         |         |         |      |       |                       |
|                         | 8.3   | 13.8  | 27.6   | 27.1    | 13.8    | 7.2     | 1.1     | 1.1     |         |         |      | 100.0 | 11.8                  |

TOTAL NUMBER OF OBSERVATIONS

181

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

# SURFACE WINDS

## PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

00002  
STATION

MAUI OPTICAL SITE HI SOUTH TOWER  
STATION NAME

78-80  
YEARS

JAN  
MONTH

ALL WEATHER  
CLASS

1800-2000  
HOURS (L.S.T.)

CONDITION

| SPEED<br>(KNTS)<br>DIR. | 1 - 3 | 4 - 6 | 7 - 10 | 11 - 16 | 17 - 21 | 22 - 27 | 28 - 33 | 34 - 40 | 41 - 47 | 48 - 55 | ≥ 56 | %     | MEAN<br>WIND<br>SPEED |
|-------------------------|-------|-------|--------|---------|---------|---------|---------|---------|---------|---------|------|-------|-----------------------|
| N                       | .5    | .5    | 1.6    | 2.2     | .5      |         |         |         |         |         |      | 5.5   | 10.8                  |
| NNE                     | .5    | .5    | 2.7    | 7.1     | 1.1     |         |         |         |         |         |      | 12.1  | 12.2                  |
| NE                      | 1.1   | .5    | 2.2    | 8.8     | 3.8     |         |         |         |         |         |      | 16.5  | 13.1                  |
| ENE                     |       | 1.1   | 2.2    |         | .5      |         |         |         |         |         |      | 3.8   | 9.6                   |
| E                       | .5    |       | 3.8    | 2.7     |         |         |         |         |         |         |      | 7.1   | 9.4                   |
| ESE                     | .5    | .5    | 3.3    | .5      |         |         |         |         |         |         |      | 4.9   | 8.3                   |
| SE                      | .5    |       | .5     |         |         |         |         |         |         |         |      | 1.1   | 6.5                   |
| SSE                     |       |       |        | .5      |         |         |         |         |         |         |      | .5    | 15.0                  |
| S                       | .5    |       |        | 1.1     | .5      | 1.1     | 1.1     |         |         |         |      | 4.4   | 20.3                  |
| SSW                     | .5    |       | 1.1    | 1.1     | 1.1     | .5      | .5      |         |         |         |      | 4.9   | 15.3                  |
| SW                      |       | .5    | 1.6    | 5.5     | 1.1     | 1.6     | 1.1     |         |         |         |      | 11.5  | 16.0                  |
| WSW                     |       | .5    |        | 2.7     |         |         |         |         |         |         |      | 3.3   | 11.5                  |
| W                       | .5    | 1.1   | .5     | 2.2     |         | .5      |         |         |         |         |      | 4.9   | 10.3                  |
| WNW                     | .5    | 2.2   | 2.2    | 2.2     | .5      |         |         |         |         |         |      | 7.7   | 8.6                   |
| NW                      |       | 2.2   | 1.1    | 1.6     | .5      |         | .5      |         |         |         |      | 6.0   | 11.6                  |
| NNW                     | .5    | .5    | 2.2    | 2.2     |         |         |         |         |         |         |      | 5.5   | 10.0                  |
| VARBL                   |       |       |        |         |         |         |         |         |         |         |      |       |                       |
| CALM                    |       |       |        |         |         |         |         |         |         |         |      |       |                       |
|                         | 6.6   | 10.4  | 25.3   | 40.7    | 9.9     | 3.8     | 3.3     |         |         |         |      | 100.0 | 12.1                  |

TOTAL NUMBER OF OBSERVATIONS

182

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

00002

STATION

MAUI OPTICAL SITE HI SOUTH TOWER

STATION NAME

78-80

YEARS

JAN

MONTH

ALL WEATHER

CLASS

2100-2300

HOURS (L.S.T.)

CONDITION

| SPEED<br>(KNTS)<br>DIR. | 1 - 3 | 4 - 6 | 7 - 10 | 11 - 16 | 17 - 21 | 22 - 27 | 28 - 33 | 34 - 40 | 41 - 47 | 48 - 53 | ≥ 54 | %     | MEAN<br>WIND<br>SPEED |
|-------------------------|-------|-------|--------|---------|---------|---------|---------|---------|---------|---------|------|-------|-----------------------|
| N                       | .6    |       | 1.1    | 2.8     |         |         |         |         |         |         |      | 4.5   | 10.1                  |
| NNE                     | .6    | 1.1   | 3.4    | 7.3     | .6      | .6      |         |         |         |         |      | 13.4  | 11.5                  |
| NE                      |       | .6    | 5.0    | 4.5     | 1.1     | .6      |         |         |         |         |      | 11.7  | 12.0                  |
| ENE                     |       | 1.1   | 1.1    | 2.2     | 1.1     |         |         |         |         |         |      | 5.6   | 12.0                  |
| E                       |       |       | 2.2    | 3.9     | 1.1     |         |         |         |         |         |      | 7.3   | 12.9                  |
| ESE                     |       | .6    | 2.2    | 1.7     |         |         |         |         |         |         |      | 4.5   | 9.5                   |
| SE                      |       | 1.1   |        | 1.1     |         |         |         |         |         |         |      | 2.2   | 9.3                   |
| SSE                     |       | .6    |        |         | .6      |         |         |         |         |         |      | 1.1   | 11.0                  |
| S                       |       |       |        | 1.1     | 1.7     | .6      | .6      |         |         |         |      | 3.9   | 20.4                  |
| SSW                     |       | .6    | 1.7    | 2.8     | 1.1     | 1.1     |         |         |         |         |      | 7.3   | 14.2                  |
| SW                      |       | 1.1   | 2.2    | 2.8     | 1.1     | 2.2     | 1.1     |         |         |         |      | 10.6  | 16.5                  |
| WSW                     | .6    | .6    |        | 2.2     | .6      | .6      |         |         |         |         |      | 4.5   | 12.4                  |
| W                       | .6    | .6    | 1.1    | 1.1     |         | .6      |         |         |         |         |      | 3.9   | 11.4                  |
| WNW                     | .6    | 2.2   | 1.7    | 1.1     | 1.1     |         |         |         |         |         |      | 6.7   | 9.9                   |
| NW                      | 1.1   | 1.7   |        | 1.1     |         |         |         |         |         |         |      | 3.9   | 6.0                   |
| NNW                     | 1.1   | 1.7   | .6     | 3.4     | 1.7     | .6      |         |         |         |         |      | 8.9   | 11.8                  |
| VABDL                   |       |       |        |         |         |         |         |         |         |         |      |       |                       |
| CALM                    |       |       |        |         |         |         |         |         |         |         |      |       |                       |
|                         | 5.0   | 13.4  | 22.3   | 39.1    | 11.7    | 6.7     | 1.7     |         |         |         |      | 100.0 | 12.2                  |

TOTAL NUMBER OF OBSERVATIONS

179

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

# SURFACE WINDS

## PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

00002 MAUI OPTICAL SITE HI SOUTH TOWER 78-80  
STATION STATION NAME YEARS  
ALL WEATHER  
CLASS  
CONDITION  
JAN  
MONTH  
ALL  
HOURS (L.S.T.)

| SPEED<br>(KNTS)<br>DIR. | 1 - 3 | 4 - 6 | 7 - 10 | 11 - 16 | 17 - 21 | 22 - 27 | 28 - 33 | 34 - 40 | 41 - 47 | 48 - 55 | ≥ 56 | %     | MEAN<br>WIND<br>SPEED |
|-------------------------|-------|-------|--------|---------|---------|---------|---------|---------|---------|---------|------|-------|-----------------------|
| N                       | .6    | 1.9   | 2.1    | 1.6     | .4      | .4      | .1      |         |         |         |      | 7.3   | 10.2                  |
| NNE                     | .4    | 1.0   | 3.0    | 4.1     | 1.3     | 1.1     | .2      | .1      |         |         |      | 11.3  | 13.3                  |
| NE                      | .5    | 1.1   | 2.9    | 4.9     | 1.6     | .6      | .3      |         |         |         |      | 11.8  | 12.6                  |
| ENE                     | .1    | .8    | 1.4    | 1.9     | .6      | .2      |         |         |         |         |      | 5.0   | 11.7                  |
| E                       | .2    | .5    | 1.9    | 2.7     | .7      | .1      |         |         |         |         |      | 6.1   | 11.6                  |
| ESE                     | .1    | 1.0   | 1.9    | 1.9     | .1      |         |         |         |         |         |      | 5.0   | 9.5                   |
| SE                      | .1    | .5    | .9     | .4      | .1      |         |         |         |         |         |      | 2.0   | 8.2                   |
| SSE                     | .1    | .3    | .2     | .3      | .4      | .4      | .4      | .3      |         | .1      |      | 2.4   | 20.8                  |
| S                       | .3    | .7    | .1     | .4      | 1.0     | .3      | .3      | .1      |         |         |      | 3.2   | 15.2                  |
| SSW                     | .6    | .9    | 1.1    | 3.5     | 1.3     | .6      | .1      |         |         |         |      | 8.0   | 12.9                  |
| SW                      | .1    | 1.5   | 1.2    | 3.1     | 1.9     | 1.4     | .6      | .1      |         |         |      | 9.8   | 15.1                  |
| WSW                     | .7    | .9    | .5     | 2.1     | .9      | .4      |         |         |         |         |      | 5.6   | 11.9                  |
| W                       | 1.0   | 1.3   | .7     | 1.6     | .6      | .4      |         |         |         |         |      | 5.5   | 9.9                   |
| WNW                     | .7    | 1.3   | 1.4    | .7      | .8      |         |         |         |         |         |      | 4.8   | 8.8                   |
| NW                      | .6    | 1.9   | 1.1    | 1.2     | .6      |         | .1      |         |         |         |      | 5.5   | 9.0                   |
| NNW                     | .7    | 1.2   | 1.7    | 2.0     | .8      | .4      | .1      |         |         |         |      | 6.8   | 10.8                  |
| VARBL                   |       |       |        |         |         |         |         |         |         |         |      |       |                       |
| CALM                    |       |       |        |         |         |         |         |         |         |         |      |       |                       |
|                         | 6.8   | 16.7  | 22.0   | 32.6    | 12.8    | 6.3     | 2.1     | .6      |         | .1      |      | 100.0 | 12.0                  |

TOTAL NUMBER OF OBSERVATIONS 1403

2  
GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

00002 MAUI OPTICAL SITE HI SOUTH TOWER 78-80  
STATION NAME YEARS  
ALL WEATHER  
CLASS  
CONDITION  
FEB  
MONTH  
0000-0200  
HOURS (L.S.T.)

| SPEED<br>(KNTS)<br>DIR. | 1 - 3 | 4 - 6 | 7 - 10 | 11 - 16 | 17 - 21 | 22 - 27 | 28 - 33 | 34 - 40 | 41 - 47 | 48 - 55 | ≥ 56 | %     | MEAN<br>WIND<br>SPEED |
|-------------------------|-------|-------|--------|---------|---------|---------|---------|---------|---------|---------|------|-------|-----------------------|
| N                       | .4    | .9    | 3.0    | .9      | .9      | .9      |         |         |         |         |      | 6.8   | 10.9                  |
| NNE                     | .4    | .9    | 1.7    | 1.7     | .4      | .9      |         |         |         |         |      | 6.0   | 11.6                  |
| NE                      |       | 1.3   | 1.7    | 6.4     | 1.3     |         |         |         |         |         |      | 10.7  | 12.2                  |
| ENE                     | .4    | 2.1   | 2.6    | 1.3     | .4      |         |         |         |         |         |      | 6.8   | 8.9                   |
| E                       |       | 2.6   | 2.6    | 1.3     | 1.7     |         |         |         |         |         |      | 8.1   | 9.7                   |
| ESE                     | .4    | 1.3   | 1.3    | 2.6     | 3.0     |         |         | .4      |         |         |      | 9.0   | 13.7                  |
| SE                      |       | 1.7   | 1.7    | 1.3     | .4      |         |         |         |         |         |      | 5.1   | 9.8                   |
| SSE                     |       | 1.7   | .9     | .4      | 1.3     | .4      | .9      |         |         |         |      | 5.6   | 14.2                  |
| S                       | .4    |       | 1.3    | .4      | 1.7     |         |         |         |         |         |      | 3.8   | 12.7                  |
| SSW                     |       |       |        | 1.3     | 1.3     | .9      |         |         |         |         |      | 3.4   | 17.5                  |
| SW                      |       | .4    |        | .9      | .9      | .4      |         | .4      |         |         |      | 3.0   | 18.7                  |
| WSW                     |       |       | 1.3    | 1.3     | 1.3     | 1.3     | .4      | .4      |         |         |      | 6.0   | 18.4                  |
| W                       |       |       | .4     | .4      | 1.3     | 2.1     |         |         |         |         |      | 4.3   | 20.2                  |
| WNW                     | .4    | .9    | 2.1    | 1.3     | .9      | .4      | .9      |         |         |         |      | 6.8   | 13.3                  |
| NW                      | .4    | 2.6   | 1.3    | .9      | .4      |         |         |         |         |         |      | 5.6   | 7.6                   |
| NNW                     | .9    | 3.8   | 3.0    | .9      |         |         | .4      |         |         |         |      | 9.0   | 7.8                   |
| VARBL                   |       |       |        |         |         |         |         |         |         |         |      |       |                       |
| CALM                    |       |       |        |         |         |         |         |         |         |         |      |       |                       |
|                         | 3.8   | 20.1  | 24.8   | 23.1    | 17.1    | 7.3     | 2.6     | 1.3     |         |         |      | 100.0 | 12.3                  |

TOTAL NUMBER OF OBSERVATIONS 234

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

## SURFACE WINDS

### PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

00002

MAUI OPTICAL SITE HI SOUTH TOWER

78-80

FEB

STATION

STATION NAME

YEARS

MONTH

ALL WEATHER

0300-0500

CLASS

HCURS (L.S.T.)

CONDITION

| SPEED<br>(KNTS)<br>DIR. | 1 - 3 | 4 - 6 | 7 - 10 | 11 - 14 | 17 - 21 | 22 - 27 | 28 - 33 | 34 - 40 | 41 - 47 | 48 - 55 | ≥ 56 | %     | MEAN<br>WIND<br>SPEED |
|-------------------------|-------|-------|--------|---------|---------|---------|---------|---------|---------|---------|------|-------|-----------------------|
| N                       |       | 1.7   | 1.7    | .4      | .9      | .4      | .4      |         |         |         |      | 5.7   | 11.9                  |
| NNE                     |       | .9    | 1.3    | .4      | .9      | .4      |         |         |         |         |      | 3.9   | 12.8                  |
| NE                      | .4    | .9    | 4.8    | 3.0     | 1.3     | .9      |         |         |         |         |      | 11.3  | 11.7                  |
| ENE                     |       | .9    | 3.0    | 1.3     |         |         |         |         |         |         |      | 5.2   | 8.7                   |
| E                       | .9    | 1.3   | 1.3    | 1.3     | .4      |         |         |         |         |         |      | 5.2   | 8.9                   |
| ESE                     | 1.3   | .9    | 4.3    | 2.2     | 2.2     |         |         |         |         |         |      | 10.9  | 9.9                   |
| SE                      | .4    | .9    | .9     | 1.3     | .4      | .4      |         | .9      |         |         |      | 5.2   | 15.0                  |
| SSE                     |       | .9    | 2.6    | .4      | .4      | .9      |         |         |         |         |      | 5.2   | 11.8                  |
| S                       | .9    | .9    |        | .9      | .9      | .9      | .9      |         |         |         |      | 5.2   | 16.1                  |
| SSW                     |       | .9    |        |         | .4      |         | .4      |         |         |         |      | 1.7   | 15.5                  |
| SW                      | .4    |       | 1.7    | 2.2     |         | .4      |         | .4      |         |         |      | 5.2   | 13.3                  |
| WSW                     |       |       | .9     | .9      | 3.0     |         |         |         |         |         |      | 4.8   | 15.8                  |
| W                       | .9    | .9    | 1.3    | 1.7     | 2.2     | 2.2     |         |         |         |         |      | 9.1   | 15.1                  |
| WNW                     | .4    | .9    | 2.6    | .4      |         | .9      |         |         |         |         |      | 5.2   | 10.5                  |
| NW                      | .9    | 2.6   | 3.0    | .9      | .4      | .4      |         |         |         |         |      | 8.3   | 8.6                   |
| NNW                     |       | 1.3   | 3.5    | 1.3     | .9      | .4      | .4      |         |         |         |      | 7.8   | 11.5                  |
| VARBL                   |       |       |        |         |         |         |         |         |         |         |      |       |                       |
| CALM                    |       |       |        |         |         |         |         |         |         |         |      |       |                       |
|                         | 6.5   | 15.7  | 33.0   | 18.7    | 14.3    | 8.3     | 2.2     | 1.3     |         |         |      | 100.0 | 12.0                  |

TOTAL NUMBER OF OBSERVATIONS

230

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

# SURFACE WINDS

PERCENTAGE: FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)

00002 STATION MAUI OPTICAL SITE HI SOUTH TOWER 78-80 YEARS  
ALL WEATHER CLASS  
CONDITION  
FEB MONTH  
G600-0800 HOURS (L.S.T.)

| SPEED (KNTS) DIR. | 1 - 3 | 4 - 6 | 7 - 10 | 11 - 16 | 17 - 21 | 22 - 27 | 28 - 33 | 34 - 40 | 41 - 47 | 48 - 55 | ≥ 56 | %     | MEAN WIND SPEED |
|-------------------|-------|-------|--------|---------|---------|---------|---------|---------|---------|---------|------|-------|-----------------|
| N                 | .4    |       | 3.0    | .9      |         |         |         |         |         |         |      | 4.3   | 9.3             |
| NNE               |       | 1.7   | 1.7    | 2.6     |         |         |         |         |         |         |      | 6.1   | 9.3             |
| NE                |       | .9    | 4.3    | 4.3     | .4      |         |         |         |         |         |      | 10.0  | 10.6            |
| ENE               | .9    | .4    | 2.6    | 2.2     | .9      |         |         |         |         |         |      | 6.9   | 11.0            |
| E                 |       |       | 2.2    | 1.3     |         |         |         |         |         |         |      | 3.5   | 10.5            |
| ESE               |       | 1.7   | 1.3    | 2.2     | .9      | .9      |         |         |         |         |      | 6.9   | 12.4            |
| SE                |       | .9    | 3.5    | .9      | 1.3     | 1.7     |         |         |         |         |      | 8.2   | 13.5            |
| SSE               | .4    | .4    | 1.3    | .9      | .4      | .9      |         |         |         |         |      | 4.3   | 12.7            |
| S                 |       | .4    |        | .9      | 1.3     | .4      | .4      |         |         |         |      | 3.5   | 18.0            |
| SSW               |       | 1.3   | .9     | .4      | .4      | .4      | .9      |         |         |         |      | 4.3   | 14.8            |
| SW                | .4    | .4    | 1.3    | 1.7     | .9      | .4      |         | .9      |         |         |      | 6.1   | 15.6            |
| WSW               |       | .9    |        | 2.2     | 1.3     | .4      | .4      |         |         |         |      | 5.2   | 15.9            |
| W                 |       |       | 1.3    | 1.7     | 3.9     | 1.3     | 1.3     |         |         |         |      | 9.5   | 18.5            |
| WNW               |       | 2.2   | 1.3    | 1.3     |         |         |         |         |         |         |      | 4.8   | 7.6             |
| NW                |       | 2.6   | .9     | 3.0     | .4      |         |         | .4      |         |         |      | 7.4   | 11.0            |
| NNW               | .4    | .4    | 3.0    | 3.9     |         | .9      |         | .4      |         |         |      | 9.1   | 12.5            |
| VARBL             |       |       |        |         |         |         |         |         |         |         |      |       |                 |
| CALM              |       |       |        |         |         |         |         |         |         |         |      |       |                 |
|                   | 2.6   | 14.3  | 28.6   | 30.3    | 12.1    | 7.4     | 3.0     | 1.7     |         |         |      | 100.0 | 12.8            |

TOTAL NUMBER OF OBSERVATIONS 231



GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

## SURFACE WINDS

### PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

00002      MAUI OPTICAL SITE HI SOUTH TOWER      78-80      FEB  
STATION      STATION NAME      YEARS      MONTH  
ALL WEATHER  
CLASS  
CONDITION  
0900-1100  
HOURS (L.S.T.)

| SPEED<br>(KNTS)<br>DIR. | 1 - 3 | 4 - 6 | 7 - 10 | 11 - 16 | 17 - 21 | 22 - 27 | 28 - 33 | 34 - 40 | 41 - 47 | 48 - 55 | ≥ 56 | %     | MEAN<br>WIND<br>SPEED |
|-------------------------|-------|-------|--------|---------|---------|---------|---------|---------|---------|---------|------|-------|-----------------------|
| N                       |       | .9    | 2.6    | 2.1     | .4      |         |         |         |         |         |      | 6.0   | 10.2                  |
| NNE                     | .4    | .9    | 1.7    | 3.9     |         |         |         |         |         |         |      | 6.9   | 10.6                  |
| NE                      | .9    | 1.7   | 4.3    | 3.4     |         |         |         |         |         |         |      | 10.3  | 8.9                   |
| ENE                     | .4    |       | 1.3    | .9      | 1.7     |         |         |         |         |         |      | 4.3   | 12.5                  |
| E                       |       | 2.1   | .9     | 2.1     | .9      |         |         |         |         |         |      | 6.0   | 10.4                  |
| ESE                     | .4    | .4    | 1.7    | 2.1     | .9      | .4      |         |         |         |         |      | 6.0   | 13.0                  |
| SE                      |       |       | 2.6    | 2.6     | .9      | .9      | .4      |         |         |         |      | 7.3   | 13.9                  |
| SSE                     |       |       | 2.6    | 1.7     |         | .9      |         |         |         |         |      | 5.2   | 12.8                  |
| S                       |       |       | 2.6    | 2.1     | .4      | .9      |         | .4      |         |         |      | 6.4   | 14.2                  |
| SSW                     | .4    | 1.7   | .9     | .9      |         | .4      | 1.3     | .4      |         |         |      | 6.0   | 16.1                  |
| SW                      | .4    |       | .4     | 1.7     |         | .4      | .4      | .9      | .4      |         |      | 4.7   | 20.7                  |
| WSW                     | .4    | .4    | .4     | 2.1     | 2.1     | 1.3     | .9      |         |         |         |      | 7.7   | 17.4                  |
| W                       | .4    | .9    | .9     | 1.3     | 1.7     | 1.3     | .4      | .9      |         |         |      | 7.7   | 17.6                  |
| WNW                     |       |       | 1.3    | 1.7     | .9      |         |         |         |         |         |      | 3.9   | 12.6                  |
| NW                      |       | 3.0   | 1.3    | 3.0     | .4      |         | .4      |         |         |         |      | 8.2   | 10.5                  |
| NNW                     |       | 1.3   | .9     | .4      | .9      |         |         |         |         |         |      | 3.4   | 10.1                  |
| VARBL                   |       |       |        |         |         |         |         |         |         |         |      |       |                       |
| CALM                    |       |       |        |         |         |         |         |         |         |         |      |       |                       |
|                         | 3.9   | 13.3  | 26.2   | 32.2    | 11.2    | 6.4     | 3.9     | 2.6     | .4      |         |      | 100.0 | 13.1                  |

TOTAL NUMBER OF OBSERVATIONS      233

2  
GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/HAC

PERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

00002

STATION

MAUI OPTICAL SITE HI SOUTH TOWER

STATION NAME

78-80

YEARS

FEB

MONTH

ALL WEATHER

CLASS

1200-1400

HOURS (L.S.T.)

CONDITION

| SPEED<br>(KNTS)<br>DIR. | 1 - 3 | 4 - 6 | 7 - 10 | 11 - 16 | 17 - 21 | 22 - 27 | 28 - 33 | 34 - 40 | 41 - 47 | 48 - 55 | ≥ 56 | %     | MEAN<br>WIND<br>SPEED |
|-------------------------|-------|-------|--------|---------|---------|---------|---------|---------|---------|---------|------|-------|-----------------------|
| N                       |       | .8    | 2.9    | .8      | .8      |         | .4      |         |         |         |      | 5.9   | 11.0                  |
| NNE                     |       | 2.1   | 2.9    | .4      |         | .4      |         |         |         |         |      | 5.9   | 8.6                   |
| NE                      | .8    | 2.9   | 2.1    | 1.7     | 1.3     |         |         |         |         |         |      | 8.8   | 9.1                   |
| ENE                     | .4    | 2.1   | 2.5    | 1.7     | .4      |         |         |         |         |         |      | 7.1   | 8.8                   |
| E                       |       | .8    | .4     | .4      |         |         |         |         |         |         |      | 1.7   | 7.3                   |
| ESE                     |       | 1.7   | 2.1    | 2.5     |         |         |         |         |         |         |      | 6.3   | 9.3                   |
| SE                      | .8    | 2.1   | .4     | .8      | .4      |         |         |         |         |         |      | 4.6   | 7.2                   |
| SSE                     |       | .4    | .4     | 2.5     | 2.5     | .4      | .4      |         |         |         |      | 6.7   | 16.1                  |
| S                       | .4    | .8    | .8     | 2.5     | .8      |         | .4      |         |         |         |      | 5.9   | 12.0                  |
| SSW                     | 1.3   | 1.7   |        | .8      | .4      | .4      | .4      |         |         |         |      | 5.0   | 10.8                  |
| SW                      |       | 1.3   | 2.5    | .8      | 1.3     |         | .4      |         | .4      |         |      | 6.7   | 13.7                  |
| WSW                     |       | .8    | 1.7    | 2.1     | 2.1     | 1.7     | 1.3     | .4      |         |         |      | 10.1  | 17.8                  |
| W                       |       | 1.3   | 1.7    | .8      | 2.5     | .8      | .8      |         |         |         |      | 8.0   | 15.1                  |
| WNW                     | .4    | 2.5   | 2.1    | 1.3     | .4      | .8      |         |         |         |         |      | 7.6   | 9.8                   |
| NW                      |       | .8    | 1.3    | 1.3     |         |         |         |         |         |         |      | 3.4   | 9.5                   |
| NNW                     | .4    | 1.3   | 1.7    | .8      | 1.7     | .4      |         |         |         |         |      | 6.3   | 11.8                  |
| VARBL                   |       |       |        |         |         |         |         |         |         |         |      |       |                       |
| CALM                    |       |       |        |         |         |         |         |         |         |         |      |       |                       |
|                         | 4.6   | 23.5  | 25.6   | 21.4    | 14.7    | 5.0     | 4.2     | .4      | .4      |         |      | 100.0 | 11.7                  |

TOTAL NUMBER OF OBSERVATIONS

238

2  
GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

00002  
STATION

MAUI OPTICAL SITE HI SOUTH TOWER  
STATION NAME

78-80  
YEARS

FEB  
MONTH

ALL WEATHER  
CLASS

1500-1700  
HOURS (L.S.T.)

CONDITION

| SPEED<br>(KNTS)<br>DIR. | 1 - 3 | 4 - 6 | 7 - 10 | 11 - 16 | 17 - 21 | 22 - 27 | 28 - 33 | 34 - 40 | 41 - 47 | 48 - 55 | ≥ 56 | %     | MEAN<br>WIND<br>SPEED |
|-------------------------|-------|-------|--------|---------|---------|---------|---------|---------|---------|---------|------|-------|-----------------------|
| N                       |       | .4    | 2.5    | 2.1     | .4      | .4      |         |         |         |         |      | 5.9   | 11.3                  |
| NNE                     |       | 2.1   | 2.5    | 1.3     | .8      |         |         | .4      |         |         |      | 7.1   | 11.1                  |
| NE                      | .4    | 1.3   | 3.3    | 2.1     | .8      |         |         |         |         |         |      | 7.9   | 9.7                   |
| ENE                     |       | .8    | 2.5    | .4      | .4      |         |         |         |         |         |      | 4.2   | 9.4                   |
| E                       | .8    | .8    | 1.3    | .8      | .4      | .4      |         |         |         |         |      | 4.6   | 10.4                  |
| ESE                     | .4    | .8    | 1.7    | 2.9     | .8      |         |         |         |         |         |      | 6.7   | 10.7                  |
| SE                      | .4    | .8    | 1.3    | 2.1     |         |         | .4      |         |         |         |      | 5.0   | 11.2                  |
| SSE                     |       |       | 1.7    | 2.5     |         | .4      |         |         |         |         |      | 4.6   | 13.2                  |
| S                       |       | .8    | .8     | .8      | .4      | .4      | .8      |         |         |         |      | 4.2   | 15.6                  |
| SSW                     | .4    | 2.1   | 1.7    | .8      | 1.3     | .4      |         |         |         |         |      | 6.7   | 10.3                  |
| SW                      |       |       | 1.3    | 1.7     | 1.3     | .4      | .4      |         |         |         |      | 5.0   | 15.9                  |
| WSW                     | .4    | .8    | 1.3    | 2.5     | .8      | .8      | .4      | .4      | .4      |         |      | 7.9   | 16.4                  |
| W                       | .4    | 1.7   | 1.7    | 1.3     | .8      | 2.1     |         |         |         |         |      | 7.9   | 13.9                  |
| WNW                     |       | 1.3   | 2.1    | 2.1     | .4      | 1.7     |         |         |         |         |      | 7.5   | 13.4                  |
| NW                      | .8    | .8    | .8     | 4.2     | .4      |         | .4      |         |         |         |      | 7.5   | 11.8                  |
| NNW                     | .4    | 1.3   | 2.9    | 1.3     | 1.3     |         |         |         |         |         |      | 7.1   | 11.4                  |
| VARBL                   |       |       |        |         |         |         |         |         |         |         |      |       |                       |
| CALM                    |       |       |        |         |         |         |         |         |         |         |      |       |                       |
|                         | 4.6   | 15.9  | 29.3   | 28.9    | 10.5    | 7.1     | 2.5     | .8      | .4      |         |      | 100.0 | 12.2                  |

TOTAL NUMBER OF OBSERVATIONS 239

2  
GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

00002  
STATION

MAUI OPTICAL SITE HI SOUTH TOWER  
STATION NAME

78-80  
YEARS

FEB  
MONTH

ALL WEATHER  
CLASS

1800-2000  
HOURS (L.S.T.)

CONDITION

| SPEED<br>(KNTS)<br>DIR. | 1 - 3 | 4 - 6 | 7 - 10 | 11 - 16 | 17 - 21 | 22 - 27 | 28 - 33 | 34 - 40 | 41 - 47 | 48 - 55 | ≥ 56 | %     | MEAN<br>WIND<br>SPEED |
|-------------------------|-------|-------|--------|---------|---------|---------|---------|---------|---------|---------|------|-------|-----------------------|
| N                       |       | 1.7   | 2.9    | .8      | 1.7     |         |         |         |         |         |      | 7.1   | 10.8                  |
| NNE                     | .4    | 1.7   | 3.7    | 2.9     |         |         |         |         |         |         |      | 8.7   | 9.2                   |
| NE                      |       | .8    | 3.3    | 4.2     | .4      |         |         |         |         |         |      | 8.7   | 11.0                  |
| ENE                     | .4    | .4    | 1.2    | 3.3     | .4      |         |         |         |         |         |      | 5.8   | 11.5                  |
| E                       |       | .4    | 3.3    | 1.7     |         |         |         |         |         |         |      | 5.4   | 9.4                   |
| ESE                     |       | .8    | .8     | 4.2     |         | .4      |         |         |         |         |      | 6.2   | 12.1                  |
| SE                      | 1.2   | 1.2   |        | 1.7     | .8      | .4      |         |         |         |         |      | 5.4   | 10.1                  |
| SSE                     | .4    | .8    | 1.2    | 1.2     |         |         |         |         |         |         |      | 3.7   | 9.1                   |
| S                       | .8    | .4    | 1.7    | 1.7     | 1.7     | 1.2     |         |         |         |         |      | 7.5   | 13.8                  |
| SSW                     | .4    | .8    | .4     | 2.5     | .4      | 1.7     |         |         |         |         |      | 6.2   | 14.1                  |
| SW                      |       | .4    | .4     | 1.2     | .8      | .4      |         |         |         |         |      | 3.3   | 14.4                  |
| WSW                     |       | .4    | 1.2    | .4      | 1.2     | 1.7     |         | .4      |         |         |      | 5.4   | 17.8                  |
| W                       |       | .4    | .8     | .4      | 1.2     | 2.1     | 1.2     |         |         |         |      | 6.2   | 20.2                  |
| WNW                     |       | .4    | .8     | 1.2     | 1.2     | .4      |         |         |         |         |      | 4.2   | 13.2                  |
| NW                      | .8    | 1.7   | 2.1    | 2.1     | .8      | .8      |         |         |         |         |      | 8.3   | 10.7                  |
| NNW                     |       | .8    | 2.1    | 3.3     |         | .4      | .8      |         |         |         |      | 7.5   | 13.3                  |
| VARBL                   |       |       |        |         |         |         |         |         |         |         |      |       |                       |
| CALM                    |       |       |        |         |         |         |         |         |         |         |      |       |                       |
|                         | 4.6   | 13.3  | 26.2   | 32.9    | 10.8    | 9.6     | 2.1     | .4      |         |         |      | 100.0 | 12.4                  |

TOTAL NUMBER OF OBSERVATIONS

240

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

# SURFACE WINDS

## PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

00002  
STATION

MAUI OPTICAL SITE HI SOUTH TOWER  
STATION NAME

78-80  
YEARS

FEB  
MONTH

ALL WEATHER  
CLASS

2100-2300  
HOURS (L.S.T.)

CONDITION

| SPEED<br>(KNTS)<br>DIR. | 1 - 3 | 4 - 6 | 7 - 10 | 11 - 16 | 17 - 21 | 22 - 27 | 28 - 33 | 34 - 40 | 41 - 47 | 48 - 55 | ≥ 56 | %     | MEAN<br>WIND<br>SPEED |
|-------------------------|-------|-------|--------|---------|---------|---------|---------|---------|---------|---------|------|-------|-----------------------|
| N                       |       | 1.3   | 3.4    | 2.1     | .4      |         | .4      |         |         |         |      | 7.6   | 10.7                  |
| NNE                     |       | 1.7   | 2.5    | 2.5     | .4      | 1.3     | .8      |         |         |         |      | 9.3   | 14.0                  |
| NE                      | .4    | .8    | 3.0    | 4.7     | .8      | .4      |         |         |         |         |      | 10.2  | 11.6                  |
| ENE                     | .4    | 1.3   | 4.2    | 2.1     |         |         |         |         |         |         |      | 8.1   | 8.7                   |
| E                       |       | .8    | 3.0    | 1.3     | 1.3     |         |         |         |         |         |      | 6.4   | 10.9                  |
| ESE                     |       | .8    | 2.5    | 3.4     | 1.3     | .8      |         |         |         |         |      | 8.9   | 12.8                  |
| SE                      |       | 1.3   | 1.3    | 1.7     | .4      |         |         |         |         |         |      | 4.7   | 9.9                   |
| SSE                     |       |       | 1.3    | .8      | 1.7     | .8      |         |         |         |         |      | 4.7   | 15.5                  |
| S                       | .8    |       |        | 1.7     | 1.3     | .4      |         |         |         |         |      | 4.2   | 14.0                  |
| SSW                     | .8    | 1.3   | .4     | 1.7     | 2.1     |         |         |         |         |         |      | 6.4   | 11.9                  |
| SW                      | .4    | .4    | .4     | 1.3     | 1.3     |         | .4      | .4      |         |         |      | 4.7   | 16.5                  |
| WSW                     | .4    |       | .8     |         | 2.5     | 1.3     | .4      |         |         |         |      | 5.5   | 18.6                  |
| W                       |       | .8    | 1.7    | .4      | .8      | .4      |         |         |         |         |      | 4.2   | 11.1                  |
| WNW                     |       | 1.3   | 1.3    | .4      | .4      |         |         | .4      |         |         |      | 3.8   | 12.6                  |
| NW                      |       | 1.3   | 1.3    | 2.1     | .8      | .8      | .8      |         |         |         |      | 7.2   | 14.8                  |
| NNW                     | .4    | .4    | 1.3    | .8      | 1.3     |         |         |         |         |         |      | 4.2   | 12.3                  |
| VARBL                   |       |       |        |         |         |         |         |         |         |         |      |       |                       |
| CALM                    |       |       |        |         |         |         |         |         |         |         |      |       |                       |
|                         | 3.8   | 13.6  | 28.4   | 27.1    | 16.9    | 6.4     | 3.0     | .8      |         |         |      | 100.0 | 12.7                  |

TOTAL NUMBER OF OBSERVATIONS

236

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

## SURFACE WINDS

### PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

00002 MAUI OPTICAL SITE HI SOUTH TOWER 78-80 FEB  
STATION STATION NAME YEARS MONTH  
ALL WEATHER  
CLASS  
CONDITION  
ALL  
HOURS (L.S.T.)

| SPEED<br>(KNTS)<br>DIR. | 1 - 3 | 4 - 6 | 7 - 10 | 11 - 16 | 17 - 21 | 22 - 27 | 28 - 33 | 34 - 40 | 41 - 47 | 48 - 55 | ≥ 56 | %     | MEAN<br>WIND<br>SPEED |
|-------------------------|-------|-------|--------|---------|---------|---------|---------|---------|---------|---------|------|-------|-----------------------|
| N                       | .1    | 1.0   | 2.8    | 1.3     | .7      | .2      | .2      |         |         |         |      | 6.2   | 10.8                  |
| NNE                     | .2    | 1.5   | 2.3    | 2.0     | .3      | .4      | .1      | .1      |         |         |      | 6.8   | 10.9                  |
| NE                      | .4    | 1.3   | 3.3    | 3.7     | .8      | .2      |         |         |         |         |      | 9.7   | 10.7                  |
| ENE                     | .4    | 1.0   | 2.5    | 1.6     | .5      |         |         |         |         |         |      | 6.1   | 9.8                   |
| E                       | .2    | 1.1   | 1.9    | 1.3     | .6      | .1      |         |         |         |         |      | 5.1   | 9.9                   |
| ESE                     | .3    | 1.1   | 2.0    | 2.8     | 1.1     | .3      |         | .1      |         |         |      | 7.6   | 11.7                  |
| SE                      | .4    | 1.1   | 1.4    | 1.5     | .6      | .4      | .1      | .1      |         |         |      | 5.7   | 11.6                  |
| SSE                     | .1    | .5    | 1.5    | 1.3     | .8      | .6      | .2      |         |         |         |      | 5.0   | 13.4                  |
| S                       | .4    | .4    | .9     | 1.4     | 1.1     | .5      | .3      | .1      |         |         |      | 5.1   | 14.3                  |
| SSW                     | .4    | 1.2   | .5     | 1.1     | .8      | .5      | .4      | .1      |         |         |      | 5.0   | 13.4                  |
| SW                      | .2    | .4    | 1.0    | 1.4     | .8      | .3      | .2      | .4      | .1      |         |      | 4.8   | 15.9                  |
| WSW                     | .2    | .4    | 1.0    | 1.4     | 1.8     | 1.1     | .5      | .2      | .1      |         |      | 6.6   | 17.3                  |
| W                       | .2    | .7    | 1.2    | 1.0     | 1.8     | 1.5     | .5      | .1      |         |         |      | 7.1   | 16.5                  |
| WNW                     | .2    | 1.2   | 1.7    | 1.2     | .5      | .5      | .1      | .1      |         |         |      | 5.5   | 11.6                  |
| NW                      | .4    | 1.9   | 1.5    | 2.2     | .5      | .3      | .2      | .1      |         |         |      | 7.0   | 10.7                  |
| NNW                     | .3    | 1.3   | 2.3    | 1.6     | .7      | .3      | .2      | .1      |         |         |      | 6.8   | 11.2                  |
| VARBL                   |       |       |        |         |         |         |         |         |         |         |      |       |                       |
| CALM                    |       |       |        |         |         |         |         |         |         |         |      |       |                       |
|                         | 4.3   | 16.2  | 27.8   | 26.8    | 13.5    | 7.2     | 2.9     | 1.2     | .2      |         |      | 100.0 | 12.4                  |

TOTAL NUMBER OF OBSERVATIONS 1881

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

# SURFACE WINDS

## PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

00002 MAUI OPTICAL SITE HI SOUTH TOWER 78-80  
STATION STATION NAME YEARS  
ALL WEATHER  
CLASS  
0000-0200  
MONTH  
HOURS (L.S.T.)

| SPEED<br>(KNTS)<br>DIR. | 1 - 3 | 4 - 6 | 7 - 10 | 11 - 16 | 17 - 21 | 22 - 27 | 28 - 33 | 34 - 40 | 41 - 47 | 48 - 53 | ≥ 56 | %     | MEAN<br>WIND<br>SPEED |
|-------------------------|-------|-------|--------|---------|---------|---------|---------|---------|---------|---------|------|-------|-----------------------|
| N                       |       | .5    | 1.8    | 2.3     | .9      |         |         |         |         |         |      | 5.5   | 12.0                  |
| NNE                     | .5    | 1.8   | 4.1    | 3.7     |         |         | .5      |         |         |         |      | 10.6  | 10.0                  |
| NE                      |       | .5    | 1.4    | .9      |         |         |         |         |         |         |      | 2.8   | 9.3                   |
| ENE                     | .5    | .5    | 1.4    | 1.8     |         |         |         |         |         |         |      | 4.1   | 9.4                   |
| E                       | .5    | .9    |        | .9      |         |         |         |         |         |         |      | 2.3   | 8.4                   |
| ESE                     |       | .9    | 1.4    |         |         | .5      |         |         |         |         |      | 2.8   | 10.2                  |
| SE                      |       | .5    | 2.3    | 1.4     | 1.4     | .9      |         |         |         |         |      | 6.5   | 14.0                  |
| SSE                     |       | 2.3   | 1.4    | 1.4     | 1.4     | 1.8     |         |         |         |         |      | 8.3   | 13.8                  |
| S                       | .5    | 1.4   | 1.8    | 3.7     | 1.4     | 2.3     | .9      |         |         |         |      | 12.0  | 15.2                  |
| SSW                     | .5    | .5    | .9     | 2.3     | .5      | 2.3     |         |         |         |         |      | 6.9   | 15.0                  |
| SW                      | .5    | 1.4   | .9     | .9      |         | .5      | .9      |         |         |         |      | 5.1   | 12.6                  |
| WSW                     |       | 1.4   | 1.4    | .9      |         | .9      |         |         |         |         |      | 4.6   | 11.3                  |
| W                       | .9    | 1.8   | 1.8    |         |         |         | .5      |         |         |         |      | 5.1   | 7.8                   |
| WNW                     | 1.4   | 1.4   | .5     | 2.3     | .9      | .5      | .9      |         |         |         |      | 7.8   | 12.6                  |
| NW                      | .9    | .5    | .9     | 2.3     | 1.4     |         |         |         |         |         |      | 6.0   | 11.5                  |
| NNW                     | 1.8   | 3.7   | 1.8    | .9      | .9      | .5      |         |         |         |         |      | 9.7   | 8.5                   |
| VARBL                   |       |       |        |         |         |         |         |         |         |         |      |       |                       |
| CALM                    |       |       |        |         |         |         |         |         |         |         |      |       |                       |
|                         | 7.8   | 19.8  | 24.0   | 25.8    | 8.8     | 10.1    | 3.7     |         |         |         |      | 100.0 | 11.8                  |

TOTAL NUMBER OF OBSERVATIONS 217

2  
GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

00002  
STATION

MAUI OPTICAL SITE HI SOUTH TOWER  
STATION NAME

78-80  
YEARS

MAR  
MONTH

ALL WEATHER  
CLASS

0300-0500  
HOURS (L.S.T.)

CONDITION

| SPEED<br>(KNTS)<br>DIR. | 1 - 3 | 4 - 6 | 7 - 10 | 11 - 14 | 17 - 21 | 22 - 27 | 28 - 33 | 34 - 40 | 41 - 47 | 48 - 55 | ≥ 56 | %     | MEAN<br>WIND<br>SPEED |
|-------------------------|-------|-------|--------|---------|---------|---------|---------|---------|---------|---------|------|-------|-----------------------|
| N                       |       | 1.4   | .5     | 2.8     | .5      |         |         |         |         |         |      | 5.1   | 10.9                  |
| NNE                     | .9    | 1.9   | 2.8    | .9      | 2.3     |         |         |         |         |         |      | 8.9   | 10.1                  |
| NE                      | .9    | 2.3   | 3.3    | 2.3     |         |         |         |         |         |         |      | 8.9   | 7.8                   |
| ENE                     | .5    | 1.9   | .9     | 1.9     |         |         |         |         |         |         |      | 5.1   | 8.5                   |
| E                       |       | 1.4   | .5     |         |         |         |         |         |         |         |      | 1.9   | 5.3                   |
| ESE                     | .5    | .5    | 1.4    | 1.9     |         |         |         |         |         |         |      | 4.2   | 9.6                   |
| SE                      | 1.4   | .9    | .5     | 2.3     | .5      | .5      | .5      |         |         |         |      | 6.5   | 11.9                  |
| SSE                     | .5    | .9    | .9     | 2.3     | 1.4     | .9      | .9      |         |         |         |      | 7.9   | 15.2                  |
| S                       | 1.4   | .9    | .5     | 1.4     | .9      | 1.9     | .5      | .5      |         |         |      | 7.9   | 16.5                  |
| SSW                     | .5    | 1.4   | .5     | 2.3     | .5      | 1.9     |         |         |         |         |      | 7.0   | 14.4                  |
| SW                      | 1.9   | 1.9   | .9     | 2.3     |         | .5      | .5      |         |         |         |      | 7.9   | 9.8                   |
| WSW                     | .5    | .9    | 1.4    |         | .9      | .5      |         |         |         |         |      | 4.2   | 11.2                  |
| W                       | .5    | 1.4   | .5     | .9      | .9      | 1.4     | .5      |         |         |         |      | 6.1   | 15.4                  |
| WNW                     |       |       | 1.9    | .9      |         | 1.4     |         |         |         |         |      | 4.2   | 13.9                  |
| NW                      | .9    | .9    | 2.3    | 1.4     | 1.4     |         |         |         |         |         |      | 7.0   | 10.1                  |
| NNW                     |       | 1.9   | 1.9    | 1.9     | 1.4     |         |         |         |         |         |      | 7.0   | 10.3                  |
| VARBL                   |       |       |        |         |         |         |         |         |         |         |      |       |                       |
| CALM                    |       |       |        |         |         |         |         |         |         |         |      |       |                       |
|                         | 10.3  | 20.6  | 20.6   | 25.7    | 10.7    | 8.9     | 2.8     | .5      |         |         |      | 100.0 | 11.6                  |

TOTAL NUMBER OF OBSERVATIONS

214



GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

00002  
STATION

MAUI OPTICAL SITE HI SOUTH TOWER  
STATION NAME

78-80  
YEARS

MAR  
MONTH

ALL WEATHER  
CLASS

0600-0800  
HOURS (L.S.T.)

CONDITION

| SPEED<br>(KNTS)<br>DIR. | 1 - 3 | 4 - 6 | 7 - 10 | 11 - 16 | 17 - 21 | 22 - 27 | 28 - 33 | 34 - 40 | 41 - 47 | 48 - 55 | ≥ 56 | %     | MEAN<br>WIND<br>SPEED |
|-------------------------|-------|-------|--------|---------|---------|---------|---------|---------|---------|---------|------|-------|-----------------------|
| N                       |       |       | .9     | 1.4     | .9      |         |         |         |         |         |      | 3.3   | 13.0                  |
| NNE                     | 1.4   | 1.4   | 2.3    | 1.9     | .5      |         |         |         |         |         |      | 7.5   | 8.4                   |
| NE                      | 1.4   | 2.8   | 1.4    | 1.4     | .5      |         |         |         |         |         |      | 7.5   | 7.1                   |
| ENE                     | .5    | 1.4   | 4.2    | 1.9     |         |         |         |         |         |         |      | 8.0   | 8.7                   |
| E                       | .9    | .5    | 1.9    |         |         |         |         |         |         |         |      | 3.3   | 6.0                   |
| ESE                     |       |       |        | 1.4     | .5      |         |         |         |         |         |      | 1.9   | 13.5                  |
| SE                      |       | .5    | 3.8    | 2.3     | 1.4     | 1.4     | .5      |         |         |         |      | 9.9   | 14.6                  |
| SSE                     |       | 1.4   | 1.4    | .9      |         |         | .5      |         |         |         |      | 4.2   | 11.4                  |
| S                       |       | 1.9   | .9     | 3.8     | .9      | 1.9     |         |         |         |         |      | 9.4   | 13.7                  |
| SSW                     |       | .9    |        | 1.9     | 1.4     | 1.9     |         |         |         |         |      | 6.1   | 16.2                  |
| SW                      | .5    | 2.3   | 1.4    | 1.9     |         |         |         |         |         |         |      | 6.1   | 8.1                   |
| WSW                     | .9    | 1.4   | 1.4    |         | .5      | .5      |         |         |         |         |      | 4.7   | 8.7                   |
| W                       | .9    | 1.4   | 1.4    | 2.8     | .5      | .9      | .9      | .5      |         |         |      | 9.4   | 14.7                  |
| WNW                     | .5    | .5    | 1.4    | .5      | 1.9     | .5      |         |         |         |         |      | 5.2   | 13.0                  |
| NW                      | .5    | .9    | 1.4    | 1.9     | 1.4     |         |         |         |         |         |      | 6.1   | 11.3                  |
| NNW                     | .5    | 1.9   | 2.8    | .9      | .5      | .9      |         |         |         |         |      | 7.5   | 10.4                  |
| VARBL                   |       |       |        |         |         |         |         |         |         |         |      |       |                       |
| CALM                    |       |       |        |         |         |         |         |         |         |         |      |       |                       |
|                         | 8.0   | 19.2  | 26.8   | 24.9    | 10.8    | 8.0     | 1.9     | .5      |         |         |      | 100.0 | 11.4                  |

TOTAL NUMBER OF OBSERVATIONS

213

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

# SURFACE WINDS

## PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

00002 MAUI OPTICAL SITE HI SOUTH TOWER 78-80  
STATION NAME YEARS  
ALL WEATHER  
CLASS  
CONDITION  
MAR  
MONTH  
0900-1100  
HOURS (L.S.T.)

| SPEED<br>(KNTS)<br>DIR. | 1 - 3 | 4 - 6 | 7 - 10 | 11 - 16 | 17 - 21 | 22 - 27 | 28 - 33 | 34 - 40 | 41 - 47 | 48 - 53 | ≥ 54 | %     | MEAN<br>WIND<br>SPEED |
|-------------------------|-------|-------|--------|---------|---------|---------|---------|---------|---------|---------|------|-------|-----------------------|
| N                       |       | .9    | 1.4    | .9      | .9      | .5      |         |         |         |         |      | 4.6   | 12.1                  |
| NNE                     | .9    | .9    | 2.8    | 3.2     | .9      |         |         |         |         |         |      | 8.8   | 10.1                  |
| NE                      | .9    | 1.4   | 1.9    | 1.4     |         |         |         |         |         |         |      | 5.6   | 7.5                   |
| ENE                     | .9    | .9    | 1.4    | .9      |         |         |         |         |         |         |      | 4.2   | 6.9                   |
| E                       | .5    | 1.9   | 1.4    | .9      | .9      |         |         |         |         |         |      | 5.6   | 9.2                   |
| ESE                     | .9    | 1.9   | 1.4    | .9      |         |         |         |         |         |         |      | 5.1   | 7.2                   |
| SE                      | .5    |       | .5     | .9      | 1.4     | 1.4     | .5      |         |         |         |      | 5.1   | 17.7                  |
| SSE                     | .9    | .5    | 2.3    | 4.6     | .9      | .9      | .5      |         |         |         |      | 10.6  | 13.3                  |
| S                       |       | .9    | 1.4    | 3.2     | 4.2     | .9      | .5      |         |         |         |      | 11.1  | 15.1                  |
| SSW                     | .5    | .5    | .9     | .9      | .9      | 1.4     |         | .5      |         |         |      | 5.6   | 17.0                  |
| SW                      | 2.8   | 2.3   | .9     | .9      | .5      |         |         |         |         |         |      | 7.4   | 6.4                   |
| WSW                     | .9    | 2.3   | 1.9    | .5      | .9      |         | .5      |         |         |         |      | 6.9   | 9.7                   |
| W                       | 1.4   | 1.4   | .5     | .5      | 1.4     | .5      | .5      |         |         |         |      | 6.0   | 11.6                  |
| WNW                     | .9    | .5    | .9     | 1.9     | .9      | 1.4     |         |         |         |         |      | 6.5   | 13.9                  |
| NW                      | .5    | .9    | .9     | .9      | .9      |         |         |         |         |         |      | 4.2   | 10.0                  |
| NNW                     |       | .9    | .5     | .5      |         | .9      |         |         |         |         |      | 2.8   | 13.3                  |
| VARBL                   |       |       |        |         |         |         |         |         |         |         |      |       |                       |
| CALM                    |       |       |        |         |         |         |         |         |         |         |      |       |                       |
|                         | 12.5  | 18.1  | 20.8   | 23.1    | 14.8    | 7.9     | 2.3     | .5      |         |         |      | 100.0 | 11.5                  |

TOTAL NUMBER OF OBSERVATIONS 216

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

# SURFACE WINDS

## PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

00002 STATION MAUI OPTICAL SITE HI SOUTH TOWER 78-80 YEARS  
ALL WEATHER CLASS  
CONDITION  
MAR MONTH  
1200-1400 HOURS (L.S.T.)

| SPEED<br>(KNTS)<br>DIR. | 1 - 3 | 4 - 6 | 7 - 10 | 11 - 16 | 17 - 21 | 22 - 27 | 28 - 33 | 34 - 40 | 41 - 47 | 48 - 55 | ≥ 56 | %     | MEAN<br>WIND<br>SPEED |
|-------------------------|-------|-------|--------|---------|---------|---------|---------|---------|---------|---------|------|-------|-----------------------|
| N                       |       | 1.4   | .5     | 1.4     |         | .5      |         |         |         |         |      | 3.7   | 10.4                  |
| NNE                     | .9    | .9    | 1.8    | 1.8     |         |         |         |         |         |         |      | 5.5   | 8.7                   |
| NE                      | .5    |       | 1.8    | 1.4     |         |         |         |         |         |         |      | 3.7   | 10.0                  |
| ENE                     | .5    | 2.3   | .9     | .5      |         |         |         |         |         |         |      | 4.1   | 7.0                   |
| E                       | 1.4   | 2.3   |        | .9      |         |         |         |         |         |         |      | 4.6   | 5.7                   |
| ESE                     |       | 1.4   | 2.3    | .5      |         |         |         |         |         |         |      | 4.1   | 7.4                   |
| SE                      | .5    | 1.8   | 2.3    | 3.2     | 3.2     | .5      |         |         |         |         |      | 11.5  | 12.6                  |
| SSE                     | .9    | 1.4   | .9     | 1.8     | 2.8     | .5      |         | .5      |         |         |      | 8.7   | 14.2                  |
| S                       |       | 2.8   | 2.3    | 3.2     | .5      | .5      |         |         |         |         |      | 9.2   | 10.3                  |
| SSW                     | .9    | 1.8   | .5     | 1.4     | .9      | .9      | .5      |         |         |         |      | 6.9   | 12.3                  |
| SW                      | 2.3   | .9    | .9     | 2.3     | .5      | .9      | .5      | .5      |         |         |      | 8.7   | 12.8                  |
| WSW                     | .9    | 1.8   | .5     | .9      | .5      | .5      |         |         |         |         |      | 5.0   | 9.5                   |
| W                       | .9    | .5    | 1.4    | .5      | 1.4     | .5      |         | .9      |         |         |      | 6.0   | 16.6                  |
| WNW                     |       | 1.8   | 2.3    | 1.8     |         | .9      |         |         |         |         |      | 6.9   | 11.0                  |
| NW                      | 1.4   | .5    | .9     | 1.4     |         |         |         |         |         |         |      | 4.1   | 7.2                   |
| NNW                     | .5    | 2.8   | 2.8    | .9      |         | .5      |         |         |         |         |      | 7.3   | 8.4                   |
| VARBL                   |       |       |        |         |         |         |         |         |         |         |      |       |                       |
| CALM                    |       |       |        |         |         |         |         |         |         |         |      |       |                       |
|                         | 11.5  | 24.3  | 22.0   | 23.9    | 9.6     | 6.0     | .9      | 1.8     |         |         |      | 100.0 | 10.8                  |

TOTAL NUMBER OF OBSERVATIONS 218

2  
GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

00002 MAUI OPTICAL SITE HI SOUTH TOWER 78-80 MAR  
STATION STATION NAME YEARS MONTH  
ALL WEATHER  
CLASS  
1500-1700  
HOURS (L.S.T.)

CONDITION

| SPEED<br>(KNTS)<br>DIR. | 1 - 3 | 4 - 6 | 7 - 10 | 11 - 16 | 17 - 21 | 22 - 27 | 28 - 33 | 34 - 40 | 41 - 47 | 48 - 53 | ≥ 54 | %     | MEAN<br>WIND<br>SPEED |
|-------------------------|-------|-------|--------|---------|---------|---------|---------|---------|---------|---------|------|-------|-----------------------|
| N                       | .5    | .9    | .5     | .9      | .5      |         |         |         |         |         |      | 3.2   | 10.0                  |
| NNE                     | .5    | 1.8   | 1.4    | 1.4     | 1.4     |         |         |         |         |         |      | 6.5   | 10.9                  |
| NE                      |       |       | .9     | .9      |         |         |         |         |         |         |      | 1.8   | 11.0                  |
| ENE                     | .5    | .9    |        | .9      |         |         |         |         |         |         |      | 2.3   | 6.4                   |
| E                       |       | .9    | 1.4    | .5      | .5      |         |         |         |         |         |      | 3.2   | 9.1                   |
| ESE                     |       | 1.4   | 2.3    | 1.4     |         |         |         |         |         |         |      | 5.1   | 8.5                   |
| SE                      | .5    | .9    | 3.7    | 2.3     | .5      |         |         |         |         |         |      | 7.8   | 9.6                   |
| SSE                     | .9    | .9    | 2.3    | 6.0     | 1.8     |         | .5      |         |         |         | .5   | 12.9  | 13.9                  |
| S                       | .5    | 1.8   | 3.7    | 1.4     | 1.8     | 1.8     | .5      |         |         |         |      | 11.5  | 13.4                  |
| SSW                     | 1.4   | .9    | 1.8    | 1.8     | 1.4     | 1.4     |         |         |         |         |      | 8.8   | 12.3                  |
| SW                      | 1.4   | 2.8   | .5     | 1.4     | .5      | 1.4     | .5      | .5      |         |         |      | 8.8   | 12.6                  |
| WSW                     | 1.4   | 1.8   | 2.8    |         |         | .5      | .5      | .5      |         |         |      | 7.4   | 10.6                  |
| W                       |       | 1.4   | 1.8    | .5      | .5      | .5      |         |         |         |         |      | 4.6   | 10.2                  |
| WNW                     | .5    | 2.3   | 2.3    | .9      | .5      |         |         |         |         |         |      | 6.5   | 8.1                   |
| NW                      | .5    | 1.4   | .5     | .5      | .9      |         |         |         |         |         |      | 3.7   | 9.5                   |
| NNW                     | .9    | .9    | 1.8    | 1.4     | .5      | .5      |         |         |         |         |      | 6.0   | 10.3                  |
| VARBL                   |       |       |        |         |         |         |         |         |         |         |      |       |                       |
| CALM                    |       |       |        |         |         |         |         |         |         |         |      |       |                       |
|                         | 9.2   | 21.2  | 27.6   | 22.1    | 10.6    | 6.0     | 1.8     | .9      |         |         | .5   | 100.0 | 11.1                  |

TOTAL NUMBER OF OBSERVATIONS 217

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

00002  
STATION

MAUI OPTICAL SITE HI SOUTH TOWER  
STATION NAME

78-80  
YEARS

MAR  
MONTH

ALL WEATHER  
CLASS

1800-2000  
HOURS (L.S.T.)

CONDITION

| SPEED<br>(KNTS)<br>DIR. | 1 - 3 | 4 - 6 | 7 - 10 | 11 - 16 | 17 - 21 | 22 - 27 | 28 - 33 | 34 - 40 | 41 - 47 | 48 - 55 | ≥ 56 | %     | MEAN<br>WIND<br>SPEED |
|-------------------------|-------|-------|--------|---------|---------|---------|---------|---------|---------|---------|------|-------|-----------------------|
| N                       |       |       |        | .5      | 1.4     | .5      |         |         |         |         |      | 2.3   | 17.8                  |
| NNE                     |       | .9    | 2.8    | 1.9     | 1.4     | .5      |         |         |         |         |      | 7.4   | 12.1                  |
| NE                      |       |       | .9     |         |         |         |         |         |         |         |      | .9    | 8.5                   |
| ENE                     |       |       | .9     | .9      | .5      |         |         |         |         |         |      | 2.3   | 11.8                  |
| E                       | .5    | .9    | .5     | 1.4     |         |         |         |         |         |         |      | 3.3   | 9.1                   |
| ESE                     | .9    | 1.4   | .9     | .9      |         |         |         |         |         |         |      | 4.2   | 7.0                   |
| SE                      | .5    | 3.7   | 2.8    | 3.7     | .9      | .9      | .5      |         |         |         |      | 13.0  | 10.5                  |
| SSE                     | .9    | .5    | 1.4    | 1.4     | 2.3     | 1.4     |         |         |         |         |      | 7.9   | 14.3                  |
| S                       | .5    | .9    | 2.8    | 1.9     | 1.9     | 2.3     |         |         |         |         |      | 10.2  | 14.2                  |
| SSW                     | .5    | 1.4   | 2.3    | .9      | 2.3     | 2.3     |         |         |         |         |      | 10.2  | 13.7                  |
| SW                      | .9    | 1.9   | .9     | 2.8     | .9      | .9      | .5      | .5      |         |         |      | 9.3   | 13.5                  |
| WSW                     |       | .5    | .5     |         |         | .5      |         |         |         |         |      | 1.4   | 13.0                  |
| W                       | .5    | 1.4   | .5     | .5      | .5      |         | .9      |         |         |         |      | 4.2   | 13.2                  |
| WNW                     | 1.4   | 3.3   | 1.9    | 1.4     | .9      |         |         |         |         |         |      | 8.8   | 7.9                   |
| NW                      | .9    | 1.4   | 1.4    | .9      | 1.9     |         |         |         |         |         |      | 6.5   | 10.3                  |
| NNW                     | .5    | 3.3   | 2.3    | 1.4     | .5      |         |         |         |         |         |      | 7.9   | 8.5                   |
| VARBL                   |       |       |        |         |         |         |         |         |         |         |      |       |                       |
| CALM                    |       |       |        |         |         |         |         |         |         |         |      |       |                       |
|                         | 7.9   | 21.9  | 22.8   | 20.5    | 15.3    | 9.3     | 1.9     | .5      |         |         |      | 100.0 | 11.7                  |

TOTAL NUMBER OF OBSERVATIONS

215

2  
GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

00002  
STATION

MAUI OPTICAL SITE HI SOUTH TOWER  
STATION NAME

78-80  
YEARS

MAR  
MONTH

ALL WEATHER  
CLASS

2100-2300  
HOURS (L.S.T.)

CONDITION

| SPEED<br>(KNTS)<br>DIR. | 1 - 3 | 4 - 6 | 7 - 10 | 11 - 16 | 17 - 21 | 22 - 27 | 28 - 33 | 34 - 40 | 41 - 47 | 48 - 55 | ≥ 56 | %     | MEAN<br>WIND<br>SPEED |
|-------------------------|-------|-------|--------|---------|---------|---------|---------|---------|---------|---------|------|-------|-----------------------|
| N                       | .5    | 1.8   | 1.4    | 1.8     | .9      |         |         |         |         |         |      | 6.5   | 9.5                   |
| NNE                     |       | 2.3   | 2.8    | 2.8     |         | .9      |         |         |         |         |      | 8.8   | 10.6                  |
| NE                      | .5    | 1.8   | 1.8    | .9      |         |         |         |         |         |         |      | 5.1   | 7.2                   |
| ENE                     |       |       | .5     | .9      |         |         |         |         |         |         |      | 1.4   | 10.7                  |
| E                       | .5    | .9    | .5     | 1.8     | .9      |         |         |         |         |         |      | 4.6   | 11.3                  |
| ESE                     |       | .9    |        |         |         | .5      |         |         |         |         |      | 1.4   | 12.0                  |
| SE                      |       | 2.3   | 2.3    | 3.7     | .5      | .9      |         |         |         |         |      | 9.7   | 11.2                  |
| SSE                     | 1.4   | .9    | 1.4    | .9      | 2.3     | 1.8     | .5      |         |         |         |      | 9.2   | 14.3                  |
| S                       | .9    |       | 2.3    | .9      | 1.4     | 2.3     |         |         |         |         |      | 7.8   | 15.0                  |
| SSW                     | .9    | .9    | 3.2    | 2.3     | 2.3     | 1.4     |         |         |         |         |      | 11.1  | 12.6                  |
| SW                      | .9    |       | 1.4    | .5      |         | 1.8     | 1.4     |         |         |         |      | 6.0   | 18.7                  |
| W                       |       | .9    | .5     | 1.8     | .9      |         |         |         |         |         |      | 4.1   | 12.3                  |
| WW                      | .5    | .9    | 1.8    | .9      | .5      |         |         |         |         |         |      | 4.6   | 8.2                   |
| WNW                     | .5    | 1.8   | .5     | 1.4     | .5      |         |         |         |         |         |      | 4.6   | 9.2                   |
| NW                      | 1.4   | 1.8   | 2.3    | 2.3     | .9      | .9      |         |         |         |         |      | 9.7   | 10.7                  |
| NNW                     | .9    | .5    | 1.4    | 2.8     |         |         |         |         |         |         |      | 5.5   | 9.2                   |
| VARBL                   |       |       |        |         |         |         |         |         |         |         |      |       |                       |
| CALM                    |       |       |        |         |         |         |         |         |         |         |      |       |                       |
|                         | 8.3   | 18.0  | 24.0   | 25.8    | 11.1    | 10.6    | 1.8     |         |         |         |      | 100.0 | 11.7                  |

TOTAL NUMBER OF OBSERVATIONS

217

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

# SURFACE WINDS

## PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

00002 MAUI OPTICAL SITE HI SOUTH TOWER 78-80  
STATION STATION NAME YEARS  
ALL WEATHER  
CLASS  
CONDITION  
MAR  
MONTH  
ALL  
HOURS (L.S.T.)

| SPEED<br>(KNTS)<br>DIR. | 1 - 3 | 4 - 6 | 7 - 10 | 11 - 16 | 17 - 21 | 22 - 27 | 28 - 33 | 34 - 40 | 41 - 47 | 48 - 55 | ≥ 56 | %     | MEAN<br>WIND<br>SPEED |
|-------------------------|-------|-------|--------|---------|---------|---------|---------|---------|---------|---------|------|-------|-----------------------|
| N                       | .1    | .9    | .9     | 1.5     | .8      | .2      |         |         |         |         |      | 4.3   | 11.5                  |
| NNE                     | .6    | 1.5   | 2.6    | 2.2     | .8      | .2      | .1      |         |         |         |      | 8.0   | 10.1                  |
| NE                      | .5    | 1.1   | 1.7    | 1.2     | .1      |         |         |         |         |         |      | 4.5   | 8.1                   |
| ENE                     | .4    | 1.0   | 1.3    | 1.2     | .1      |         |         |         |         |         |      | 3.9   | 8.4                   |
| E                       | .5    | 1.2   | .8     | .8      | .3      |         |         |         |         |         |      | 3.6   | 8.3                   |
| ESE                     | .3    | 1.0   | 1.2    | .9      | .1      | .1      |         |         |         |         |      | 3.6   | 8.7                   |
| SE                      | .4    | 1.3   | 2.3    | 2.5     | 1.2     | .8      | .2      |         |         |         |      | 8.7   | 12.4                  |
| SSE                     | .7    | 1.1   | 1.5    | 2.4     | 1.6     | .9      | .3      | .1      |         |         | .1   | 8.7   | 13.9                  |
| S                       | .5    | 1.3   | 2.0    | 2.4     | 1.6     | 1.7     | .3      | .1      |         |         |      | 9.9   | 14.2                  |
| SSW                     | .6    | 1.1   | 1.3    | 1.7     | 1.3     | 1.7     | .1      | .1      |         |         |      | 7.8   | 13.9                  |
| SW                      | 1.4   | 1.7   | 1.0    | 1.6     | .3      | .8      | .5      | .2      |         |         |      | 7.4   | 11.8                  |
| WSW                     | .6    | 1.4   | 1.3    | .5      | .5      | .4      | .1      | .1      |         |         |      | 4.8   | 10.5                  |
| W                       | .7    | 1.3   | 1.2    | .8      | .7      | .5      | .4      | .2      |         |         |      | 5.7   | 12.6                  |
| WNW                     | .6    | 1.4   | 1.4    | 1.4     | .7      | .6      | .1      |         |         |         |      | 6.3   | 11.0                  |
| NW                      | .9    | 1.0   | 1.3    | 1.4     | 1.1     | .1      |         |         |         |         |      | 5.9   | 10.3                  |
| NNW                     | .6    | 2.0   | 1.9    | 1.3     | .5      | .4      |         |         |         |         |      | 6.7   | 9.5                   |
| VARBL                   |       |       |        |         |         |         |         |         |         |         |      |       |                       |
| CALM                    |       |       |        |         |         |         |         |         |         |         |      |       |                       |
|                         | 9.5   | 20.4  | 23.6   | 24.0    | 11.5    | 8.3     | 2.1     | .6      |         |         | .1   | 100.0 | 11.4                  |

TOTAL NUMBER OF OBSERVATIONS 1727

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

# SURFACE WINDS

## PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

00002 STATION MAUI OPTICAL SITE HI SOUTH TOWER 78-79 YEARS APR MONTH  
ALL WEATHER CLASS 0000-0200 HOURS (L.S.T.)  
CONDITION

| SPEED (KNTS) DIR. | 1 - 3 | 4 - 6 | 7 - 10 | 11 - 16 | 17 - 21 | 22 - 27 | 28 - 33 | 34 - 40 | 41 - 47 | 48 - 55 | ≥ 56 | %     | MEAN WIND SPEED |
|-------------------|-------|-------|--------|---------|---------|---------|---------|---------|---------|---------|------|-------|-----------------|
| N                 |       |       |        |         |         |         |         |         |         |         |      |       |                 |
| NNE               |       |       | 2.8    |         |         |         |         |         |         |         |      | 2.7   | 8.0             |
| NE                |       | 2.8   |        | .9      | 1.9     |         |         |         |         |         |      | 5.5   | 10.7            |
| ENE               |       | 1.9   | .9     |         |         |         |         |         |         |         |      | 2.8   | 6.0             |
| E                 |       |       |        |         |         |         |         |         |         |         |      |       |                 |
| ESE               | .9    | .9    | 1.9    | .9      | 1.9     |         |         |         |         |         |      | 6.5   | 11.6            |
| SE                |       | .9    | 9.3    | 3.7     | .9      | 1.9     | .9      |         |         |         |      | 17.6  | 12.6            |
| SSE               | 1.9   |       | 4.6    | 6.5     | 4.6     | 3.7     |         | 1.9     |         |         |      | 23.1  | 16.6            |
| S                 |       | 1.9   | 5.6    | 6.5     | 1.9     |         |         |         |         |         |      | 15.7  | 11.4            |
| SSW               |       | .9    | .9     |         |         |         |         |         |         |         |      | 1.9   | 6.0             |
| SW                | .9    | .9    | .9     |         | 1.9     |         |         |         |         |         |      | 4.6   | 10.8            |
| WSW               |       | .9    |        | 1.9     |         |         |         |         |         |         |      | 2.8   | 10.7            |
| W                 |       |       |        | .9      | .9      | .9      |         |         |         |         |      | 2.8   | 19.7            |
| WNW               | 1.9   | 2.8   |        |         |         |         |         |         |         |         |      | 4.6   | 4.4             |
| NW                | .9    | 3.7   | .9     | .9      | 1.9     |         |         |         |         |         |      | 8.3   | 9.1             |
| NNW               |       |       | .9     |         |         |         |         |         |         |         |      | .9    | 7.0             |
| VARBL             |       |       |        |         |         |         |         |         |         |         |      |       |                 |
| CALM              |       |       |        |         |         |         |         |         |         |         |      |       |                 |
|                   | 6.5   | 17.6  | 28.7   | 22.2    | 15.7    | 6.5     | .9      | 1.9     |         |         |      | 100.0 | 12.1            |

TOTAL NUMBER OF OBSERVATIONS 108



GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

00002  
STATION

MAUI OPTICAL SITE HI SOUTH TOWER  
STATION NAME

78-79  
YEARS

APR  
MONTH

ALL WEATHER  
CLASS

0300-0500  
HOURS (L.S.T.)

CONDITION

| SPEED<br>(KNTS)<br>DIR. | 1 - 3 | 4 - 6 | 7 - 10 | 11 - 16 | 17 - 21 | 22 - 27 | 28 - 33 | 34 - 40 | 41 - 47 | 48 - 55 | ≥ 56 | %     | MEAN<br>WIND<br>SPEED |
|-------------------------|-------|-------|--------|---------|---------|---------|---------|---------|---------|---------|------|-------|-----------------------|
| N                       |       | .9    |        |         |         |         |         |         |         |         |      | .9    | 6.0                   |
| NNE                     |       | 1.9   |        |         | 1.9     |         |         |         |         |         |      | 3.7   | 12.0                  |
| NE                      |       |       |        |         | .9      |         |         |         |         |         |      | .9    | 20.0                  |
| ENE                     | .9    | 2.8   |        |         |         |         |         |         |         |         |      | 3.7   | 4.3                   |
| E                       |       | 1.9   | .9     |         |         |         |         | .9      |         |         |      | 3.7   | 12.5                  |
| ESE                     | 1.9   | .9    | 1.9    | 2.8     |         |         |         |         |         |         |      | 7.4   | 8.4                   |
| SE                      |       | 2.8   | 6.5    | .9      | .9      |         | 1.9     |         |         |         |      | 13.0  | 12.6                  |
| SSE                     |       | .9    | 6.5    | 6.5     | 6.5     | 2.8     | .9      |         |         |         |      | 24.1  | 15.3                  |
| S                       |       | .9    | 3.7    | 2.8     | .9      | .9      |         |         |         |         |      | 9.3   | 12.0                  |
| SSW                     | .9    |       | .9     | 2.8     |         |         |         |         |         |         |      | 4.6   | 10.4                  |
| SW                      | 1.9   | 1.9   |        | 1.9     | 1.9     |         |         |         |         |         |      | 7.4   | 10.0                  |
| WSW                     |       |       | .9     | 1.9     |         |         |         |         |         |         |      | 2.8   | 11.0                  |
| W                       | 1.9   |       | 1.9    |         |         | 2.8     |         |         |         |         |      | 6.5   | 12.9                  |
| WNW                     |       | 1.9   | 1.9    |         |         |         |         |         |         |         |      | 3.7   | 6.0                   |
| NW                      | .9    |       | .9     | 3.7     |         |         |         |         |         |         |      | 5.6   | 9.5                   |
| NNW                     | .9    |       | 1.9    |         |         |         |         |         |         |         |      | 2.8   | 5.7                   |
| VARBL                   |       |       |        |         |         |         |         |         |         |         |      |       |                       |
| CALM                    |       |       |        |         |         |         |         |         |         |         |      |       |                       |
|                         | 9.3   | 16.7  | 27.8   | 23.1    | 13.0    | 6.5     | 2.8     | .9      |         |         |      | 100.0 | 11.6                  |

TOTAL NUMBER OF OBSERVATIONS

108

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

# SURFACE WINDS

## PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

00002 MAUI OPTICAL SITE HI SOUTH TOWER 78-79 APR  
STATION STATION NAME YEARS  
ALL WEATHER CLASS 0600-0800  
CONDITION HOURS (L.S.T.)

| SPEED<br>(KNTS)<br>DIR. | 1 - 3 | 4 - 6 | 7 - 10 | 11 - 16 | 17 - 21 | 22 - 27 | 28 - 33 | 34 - 40 | 41 - 47 | 48 - 55 | ≥ 56 | %     | MEAN<br>WIND<br>SPEED |
|-------------------------|-------|-------|--------|---------|---------|---------|---------|---------|---------|---------|------|-------|-----------------------|
| N                       |       |       | .9     |         |         |         |         |         |         |         |      | .9    | 10.0                  |
| NNE                     |       |       | 2.8    | .9      | .9      |         |         |         |         |         |      | 4.7   | 11.0                  |
| NE                      | 1.9   | .9    | .9     |         |         | 1.9     |         |         |         |         |      | 5.6   | 10.8                  |
| ENE                     | .9    | .9    | 1.9    |         |         |         |         |         |         |         |      | 3.7   | 6.0                   |
| E                       |       | 1.9   |        |         |         |         |         |         |         |         |      | 1.9   | 5.5                   |
| ESE                     | 2.8   | 1.9   |        |         | 1.9     |         |         |         |         |         |      | 6.5   | 7.1                   |
| SE                      |       | 2.8   | 6.5    | 5.6     | 1.9     | 2.8     |         |         |         |         |      | 19.6  | 12.4                  |
| SSE                     | 1.9   | 1.9   | 3.7    | 5.6     | 4.7     | 2.8     | 1.9     |         |         |         |      | 22.4  | 15.0                  |
| S                       |       | .9    | 2.8    | 4.7     | .9      | .9      |         |         |         |         |      | 10.3  | 11.9                  |
| SSW                     | .9    |       | .9     | 2.8     |         |         |         |         |         |         |      | 4.7   | 10.2                  |
| SW                      |       |       |        | .9      | .9      | 1.9     |         |         |         |         |      | 3.7   | 20.5                  |
| WSW                     |       |       | 1.9    | .9      |         |         |         |         |         |         |      | 2.8   | 8.7                   |
| W                       |       |       |        |         | 1.9     | .9      |         |         |         |         |      | 2.8   | 21.3                  |
| WNW                     |       | .9    | .9     |         |         |         |         |         |         |         |      | 1.9   | 6.5                   |
| NW                      |       | .9    | 1.9    | 1.9     |         |         |         |         |         |         |      | 4.7   | 9.0                   |
| NNW                     |       | .9    | .9     | 1.9     |         |         |         |         |         |         |      | 3.7   | 10.5                  |
| VARBL                   |       |       |        |         |         |         |         |         |         |         |      |       |                       |
| CALM                    |       |       |        |         |         |         |         |         |         |         |      |       |                       |
|                         | 8.4   | 14.0  | 26.2   | 25.2    | 13.1    | 11.7    | 1.9     |         |         |         |      | 100.0 | 12.0                  |

TOTAL NUMBER OF OBSERVATIONS 107

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

00002 MAUI OPTICAL SITE HI SOUTH TOWER 78-79 APR  
STATION STATION NAME YEARS  
ALL WEATHER  
CLASS  
CONDITION  
0900-1100  
HOURS (L.S.T.)

| SPEED<br>(KNTS)<br>DIR. | 1 - 3 | 4 - 6 | 7 - 10 | 11 - 16 | 17 - 21 | 22 - 27 | 28 - 33 | 34 - 40 | 41 - 47 | 48 - 55 | ≥ 56 | %     | MEAN<br>WIND<br>SPEED |
|-------------------------|-------|-------|--------|---------|---------|---------|---------|---------|---------|---------|------|-------|-----------------------|
| N                       | 1.0   |       |        |         |         |         |         |         |         |         |      | 1.0   | 3.0                   |
| NNE                     | 1.9   | 4.9   | 1.0    | 1.0     |         |         |         |         |         |         |      | 8.7   | 5.3                   |
| NE                      |       | 3.9   |        |         |         | 1.0     |         |         |         |         |      | 4.9   | 8.6                   |
| ENE                     | 1.9   | 1.0   |        |         | 1.0     | 1.0     |         |         |         |         |      | 4.9   | 10.2                  |
| E                       |       | 1.9   |        |         | 1.0     |         |         |         |         |         |      | 2.9   | 8.7                   |
| ESE                     |       | 1.0   |        | 1.0     | 1.0     |         |         |         |         |         |      | 2.9   | 14.3                  |
| SE                      |       | 2.9   | 5.8    | 10.7    |         |         |         |         |         |         |      | 19.4  | 11.4                  |
| SSE                     |       |       | 4.9    | 5.8     | 5.8     | 1.0     | 2.9     |         |         |         |      | 20.4  | 17.4                  |
| S                       | 1.0   | 2.9   | 1.9    | 1.9     | 1.0     |         |         |         |         |         |      | 8.7   | 8.8                   |
| SSW                     |       | 1.0   |        |         | 1.0     |         |         |         |         |         |      | 1.9   | 12.5                  |
| SW                      |       | 1.0   | 1.0    | 2.9     |         |         |         |         |         |         |      | 4.9   | 10.6                  |
| WSW                     | 1.9   |       | 2.9    | 1.0     |         |         |         |         |         |         |      | 5.8   | 6.7                   |
| W                       | 1.9   |       |        |         | 2.9     | 1.9     |         |         |         |         |      | 6.8   | 15.7                  |
| WNW                     | 1.0   |       |        |         |         |         |         |         |         |         |      | 1.0   | 3.0                   |
| NW                      | 1.0   | 1.9   | 1.0    |         |         |         |         |         |         |         |      | 3.9   | 5.0                   |
| NNW                     |       |       | 1.0    | 1.0     |         |         |         |         |         |         |      | 1.9   | 9.0                   |
| VARBL                   |       |       |        |         |         |         |         |         |         |         |      |       |                       |
| CALM                    |       |       |        |         |         |         |         |         |         |         |      |       |                       |
|                         | 11.7  | 22.3  | 19.4   | 25.2    | 13.6    | 4.9     | 2.9     |         |         |         |      | 100.0 | 11.2                  |

TOTAL NUMBER OF OBSERVATIONS 103

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

## SURFACE WINDS

### PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

00002 STATION MAUI OPTICAL SITE HI SOUTH TOWER 78-79 YEARS APR MONTH  
ALL WEATHER CLASS 1200-1400 HOURS (L.S.T.)  
CONDITION

| SPEED (KNTS) DIR. | 1 - 3 | 4 - 6 | 7 - 10 | 11 - 16 | 17 - 21 | 22 - 27 | 28 - 33 | 34 - 40 | 41 - 47 | 48 - 55 | ≥ 56 | %     | MEAN WIND SPEED |
|-------------------|-------|-------|--------|---------|---------|---------|---------|---------|---------|---------|------|-------|-----------------|
| N                 |       | 1.0   | 2.0    |         |         |         |         |         |         |         |      | 3.0   | 6.3             |
| NNE               |       | 2.0   |        |         |         |         |         |         |         |         |      | 2.0   | 4.0             |
| NE                |       | 1.0   |        |         |         | 1.0     |         |         |         |         |      | 2.0   | 14.0            |
| ENE               |       |       | 3.0    |         | 2.0     |         |         |         |         |         |      | 5.0   | 12.4            |
| E                 |       | 1.0   | 2.0    |         | 1.0     |         |         |         |         |         |      | 4.0   | 9.8             |
| ESE               |       | 1.0   | 1.0    | 2.0     |         |         |         |         |         |         |      | 4.0   | 10.5            |
| SE                |       | 1.0   | 5.0    | 4.0     |         | 2.0     | 1.0     |         |         |         |      | 12.9  | 13.6            |
| SSE               |       | 3.0   | 5.9    | 6.9     |         |         | 1.0     |         |         |         |      | 16.8  | 10.5            |
| S                 | 1.0   | 2.0   | 4.0    | 1.0     |         | 1.0     |         |         |         |         |      | 8.9   | 9.7             |
| SSW               | 1.0   | 1.0   | 2.0    | 2.0     | 2.0     |         |         |         |         |         |      | 7.9   | 10.5            |
| SW                |       | 1.0   | 1.0    | 3.0     | 2.0     |         |         |         |         |         |      | 6.9   | 12.6            |
| WSW               |       | 2.0   | 1.0    | 3.0     |         |         |         |         |         |         |      | 5.9   | 9.3             |
| W                 |       | 3.0   | 4.0    | 1.0     | 1.0     |         |         |         |         |         |      | 8.9   | 9.1             |
| WNW               | 1.0   | 3.0   |        | 1.0     |         |         |         |         |         |         |      | 5.0   | 5.8             |
| NW                |       | 3.0   | 2.0    | 1.0     |         |         |         |         |         |         |      | 5.9   | 7.2             |
| NNW               | 1.0   |       |        |         |         |         |         |         |         |         |      | 1.0   | 3.0             |
| VARBL             |       |       |        |         |         |         |         |         |         |         |      |       |                 |
| CALM              |       |       |        |         |         |         |         |         |         |         |      |       |                 |
|                   | 4.0   | 24.8  | 32.7   | 24.8    | 7.9     | 4.0     | 2.0     |         |         |         |      | 100.0 | 10.1            |

TOTAL NUMBER OF OBSERVATIONS 101

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

## SURFACE WINDS

### PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

00002  
STATION

MAUI OPTICAL SITE HI SOUTH TOWER  
STATION NAME

78-79  
YEARS

APR  
MONTH

ALL WEATHER  
CLASS

1500-1700  
HOURS (L.S.T.)

CONDITION

| SPEED<br>(KNTS)<br>DIR. | 1 - 3 | 4 - 6 | 7 - 10 | 11 - 16 | 17 - 21 | 22 - 27 | 28 - 33 | 34 - 40 | 41 - 47 | 48 - 55 | ≥ 56 | %     | MEAN<br>WIND<br>SPEED |
|-------------------------|-------|-------|--------|---------|---------|---------|---------|---------|---------|---------|------|-------|-----------------------|
| N                       |       | 2.0   | 2.0    |         |         | 1.0     |         |         |         |         |      | 4.9   | 10.2                  |
| NNE                     |       | 2.0   | 1.0    | 1.0     |         |         |         |         |         |         |      | 3.9   | 7.8                   |
| NE                      | 2.0   | 2.0   | 1.0    |         |         | 1.0     |         |         |         |         |      | 5.9   | 7.8                   |
| ENE                     |       | 2.9   | 1.0    |         |         |         |         |         |         |         |      | 3.9   | 6.5                   |
| E                       | 1.0   | 2.9   | 3.9    | 1.0     |         | 1.0     |         |         |         |         |      | 9.8   | 8.5                   |
| ESE                     | 1.0   | 2.0   | 5.9    | 1.0     |         | 1.0     |         |         |         |         |      | 10.8  | 9.3                   |
| SE                      | 2.9   |       | 2.0    | 2.9     |         |         | 2.0     |         |         |         |      | 9.8   | 11.9                  |
| SSE                     | 1.0   | 2.0   | 2.0    | 6.9     | 2.0     | 1.0     |         | 1.0     |         |         |      | 15.7  | 13.9                  |
| S                       | 1.0   | 1.0   | 1.0    | 1.0     |         |         |         |         |         |         |      | 3.9   | 7.0                   |
| SSW                     |       | 1.0   |        |         | 1.0     |         |         |         |         |         |      | 2.0   | 11.5                  |
| SW                      | 1.0   | 2.0   | 2.0    |         | 2.9     | 1.0     |         |         |         |         |      | 8.8   | 12.2                  |
| WSW                     | 1.0   | 1.0   | 1.0    | 2.9     |         |         |         |         |         |         |      | 5.9   | 8.8                   |
| W                       |       | 2.0   | 1.0    | 2.0     |         |         |         |         |         |         |      | 4.9   | 8.4                   |
| WNW                     | 1.0   | 2.0   |        | 1.0     | 1.0     |         |         |         |         |         |      | 4.9   | 8.4                   |
| NW                      | 2.9   |       |        |         | 1.0     |         |         |         |         |         |      | 3.9   | 6.3                   |
| NNW                     |       | 1.0   |        |         |         |         |         |         |         |         |      | 1.0   | 5.0                   |
| VARBL                   |       |       |        |         |         |         |         |         |         |         |      |       |                       |
| CALM                    |       |       |        |         |         |         |         |         |         |         |      |       |                       |
|                         | 14.7  | 25.5  | 23.5   | 19.6    | 7.8     | 5.9     | 2.0     | 1.0     |         |         |      | 100.0 | 9.9                   |

TOTAL NUMBER OF OBSERVATIONS

102

2  
GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

# SURFACE WINDS

## PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

001102

STATION

MAUI OPTICAL SITE HI SOUTH TOWER

STATION NAME

78-79

YEARS

APR

MONTH

ALL WEATHER

CLASS

1800-2000

HOURS (L.S.T.)

CONDITION

| SPEED<br>(KNTS)<br>DIR. | 1 - 3 | 4 - 6 | 7 - 10 | 11 - 16 | 17 - 21 | 22 - 27 | 28 - 33 | 34 - 40 | 41 - 47 | 48 - 55 | ≥ 56 | %     | MEAN<br>WIND<br>SPEED |
|-------------------------|-------|-------|--------|---------|---------|---------|---------|---------|---------|---------|------|-------|-----------------------|
| N                       | 1.0   | 1.0   | 1.0    |         |         |         |         |         |         |         |      | 2.9   | 6.0                   |
| NNE                     |       |       | 2.0    | 2.0     | 2.0     | 1.0     |         |         |         |         |      | 6.9   | 14.6                  |
| NE                      |       | 2.9   |        | 1.0     |         |         |         |         |         |         |      | 3.9   | 6.3                   |
| ENE                     |       | 1.0   | 1.0    |         |         |         |         |         |         |         |      | 2.0   | 7.0                   |
| E                       | 2.9   | 2.0   | 2.0    |         | 1.0     |         |         |         |         |         |      | 7.8   | 6.6                   |
| ESE                     | 1.0   |       | 2.9    |         |         |         |         |         |         |         |      | 3.9   | 7.0                   |
| SE                      | 1.0   | 2.0   | 7.8    | 2.0     | 2.9     |         | 1.0     | 1.0     |         |         |      | 17.6  | 13.2                  |
| SSE                     |       | 1.0   | 4.9    | 6.9     | 3.9     | 1.0     |         | 1.0     |         |         |      | 18.6  | 14.6                  |
| S                       | 1.0   | 2.0   | 2.9    | 1.0     |         | 2.0     |         |         |         |         |      | 8.8   | 12.0                  |
| SSW                     |       |       |        | 1.0     | 1.0     |         |         |         |         |         |      | 2.0   | 16.0                  |
| SW                      | 1.0   | 1.0   | 2.9    | 1.0     | 1.0     |         |         |         |         |         |      | 6.9   | 9.1                   |
| WSW                     | 1.0   | 1.0   | 2.0    | 2.0     |         |         |         |         |         |         |      | 5.9   | 8.3                   |
| W                       | 2.0   |       |        |         | 1.0     |         |         |         |         |         |      | 2.9   | 6.7                   |
| WNW                     | 1.0   |       |        |         | 1.0     |         |         |         |         |         |      | 2.0   | 10.5                  |
| NW                      |       | 2.0   | 1.0    | 2.0     | 1.0     |         |         |         |         |         |      | 5.9   | 11.8                  |
| NNW                     |       | 1.0   |        | 1.0     |         |         |         |         |         |         |      | 2.0   | 7.5                   |
| VARBL                   |       |       |        |         |         |         |         |         |         |         |      |       |                       |
| CALM                    |       |       |        |         |         |         |         |         |         |         |      |       |                       |
|                         | 11.8  | 16.7  | 30.4   | 19.6    | 14.7    | 3.9     | 1.0     | 2.0     |         |         |      | 100.0 | 11.1                  |

TOTAL NUMBER OF OBSERVATIONS

102

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

## SURFACE WINDS

### PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

00002  
STATION

MAUI OPTICAL SITE HI SOUTH TOWER  
STATION NAME

78-79  
YEARS

APR  
MONTH

ALL WEATHER  
CLASS

2100-2300  
HOURS (L.S.T.)

CONDITION

| SPEED<br>(KNTS)<br>DIR. | 1 - 3 | 4 - 6 | 7 - 10 | 11 - 16 | 17 - 21 | 22 - 27 | 28 - 33 | 34 - 40 | 41 - 47 | 48 - 55 | ≥ 56 | %     | MEAN<br>WIND<br>SPEED |
|-------------------------|-------|-------|--------|---------|---------|---------|---------|---------|---------|---------|------|-------|-----------------------|
| N                       |       |       | 1.0    | 1.0     |         |         |         |         |         |         |      | 2.0   | 10.5                  |
| NNE                     |       | 1.0   | 1.0    |         |         | 1.0     |         |         |         |         |      | 3.0   | 12.3                  |
| NE                      | 1.0   | 1.0   | 1.0    |         | 1.0     |         |         |         |         |         |      | 4.0   | 9.0                   |
| ENE                     |       | 1.0   |        |         | 1.0     |         |         |         |         |         |      | 2.0   | 12.0                  |
| E                       | 1.0   | 3.0   | 1.0    | 1.0     |         |         |         |         |         |         |      | 6.0   | 5.7                   |
| ESE                     |       |       | 2.0    |         |         |         |         |         |         |         |      | 2.0   | 7.5                   |
| SE                      |       | 2.0   | 4.0    | 11.0    | 1.0     |         | 2.0     |         |         |         |      | 20.0  | 12.8                  |
| SSE                     | 1.0   |       | 6.0    | 9.0     | 7.0     | 3.0     |         |         |         |         |      | 26.0  | 14.5                  |
| S                       |       | 2.0   | 1.0    | 2.0     | 1.0     |         |         |         |         |         |      | 6.0   | 9.7                   |
| SSW                     |       |       | 2.0    | 1.0     | 1.0     |         |         |         |         |         |      | 4.0   | 12.5                  |
| SW                      | 1.0   | 1.0   | 3.0    |         | 2.0     |         |         |         |         |         |      | 7.0   | 9.7                   |
| WSW                     | 1.0   |       | 1.0    | 1.0     |         |         |         |         |         |         |      | 3.0   | 7.3                   |
| W                       | 1.0   | 1.0   |        |         | 3.0     |         |         |         |         |         |      | 5.0   | 11.6                  |
| WNW                     | 1.0   | 1.0   |        |         |         |         |         |         |         |         |      | 2.0   | 4.5                   |
| NW                      |       | 2.0   | 1.0    | 3.0     |         |         |         |         |         |         |      | 6.0   | 10.0                  |
| NNW                     |       | 2.0   |        |         |         |         |         |         |         |         |      | 2.0   | 5.0                   |
| VARBL                   |       |       |        |         |         |         |         |         |         |         |      |       |                       |
| CALM                    |       |       |        |         |         |         |         |         |         |         |      |       |                       |
|                         | 7.0   | 17.0  | 24.0   | 29.0    | 17.0    | 4.0     | 2.0     |         |         |         |      | 100.0 | 11.4                  |

TOTAL NUMBER OF OBSERVATIONS 100

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

## SURFACE WINDS

### PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

00002 MAUI OPTICAL SITE HI SOUTH TOWER 78-79 APR  
STATION STATION NAME YEARS MONTH  
ALL WEATHER  
CLASS  
CONDITION  
ALL  
HOURS (L.S.T.)

| SPEED<br>(KNTS)<br>DIP | 1 - 3 | 4 - 6 | 7 - 10 | 11 - 14 | 17 - 21 | 22 - 27 | 28 - 33 | 34 - 40 | 41 - 47 | 48 - 55 | ≥ 56 | %     | MEAN<br>WIND<br>SPEED |
|------------------------|-------|-------|--------|---------|---------|---------|---------|---------|---------|---------|------|-------|-----------------------|
| N                      | .2    | .6    | .8     | .1      |         | .1      |         |         |         |         |      | 1.9   | 8.0                   |
| NNE                    | .2    | 1.4   | 1.3    | .6      | .6      | .2      |         |         |         |         |      | 4.5   | 9.5                   |
| NE                     | .6    | 1.8   | .4     | .2      | .5      | .6      |         |         |         |         |      | 4.1   | 9.6                   |
| ENE                    | .5    | 1.4   | 1.0    |         | .5      | .1      |         |         |         |         |      | 3.5   | 8.1                   |
| E                      | .6    | 1.8   | 1.2    | .2      | .4      | .1      |         | .1      |         |         |      | 4.5   | 8.1                   |
| ESE                    | 1.0   | 1.0   | 1.9    | 1.0     | .6      | .1      |         |         |         |         |      | 5.5   | 9.3                   |
| SE                     | .5    | 1.8   | 5.9    | 5.1     | 1.0     | .8      | 1.1     | .1      |         |         |      | 16.2  | 12.5                  |
| SSE                    | .7    | 1.1   | 4.8    | 6.7     | 4.3     | 1.0     | .8      | .5      |         |         |      | 20.9  | 14.9                  |
| S                      | .5    | 1.7   | 2.9    | 2.6     | .7      | .6      |         |         |         |         |      | 9.0   | 10.7                  |
| SSW                    | .4    | .5    | .8     | 1.2     | .7      |         |         |         |         |         |      | 3.6   | 11.0                  |
| SW                     | .7    | 1.1   | 1.3    | 1.2     | 1.6     | .4      |         |         |         |         |      | 6.3   | 11.5                  |
| WSW                    | .6    | .6    | 1.3    | 1.8     |         |         |         |         |         |         |      | 4.3   | 8.7                   |
| W                      | .8    | .7    | .8     | .5      | 1.3     | .8      |         |         |         |         |      | 5.1   | 12.5                  |
| WNW                    | .8    | 1.4   | .4     | .2      | .2      |         |         |         |         |         |      | 3.1   | 6.3                   |
| NW                     | .7    | 1.7   | 1.1    | 1.6     | .5      |         |         |         |         |         |      | 5.5   | 8.8                   |
| NNW                    | .2    | .6    | .6     | .5      |         |         |         |         |         |         |      | 1.9   | 7.3                   |
| VARBL                  |       |       |        |         |         |         |         |         |         |         |      |       |                       |
| CALM                   |       |       |        |         |         |         |         |         |         |         |      |       |                       |
|                        | 9.1   | 19.3  | 26.6   | 23.6    | 12.9    | 5.9     | 1.9     | .7      |         |         |      | 100.0 | 11.2                  |

TOTAL NUMBER OF OBSERVATIONS 831



GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

00002 MAUI OPTICAL SITE HI SOUTH TOWER 78-79 MAY  
STATION STATION NAME YEARS MONTH  
ALL WEATHER  
CLASS  
CONDITION  
0000-0200  
HOURS (L.S.T.)

| SPEED<br>(KNTS)<br>DIR. | 1 - 3 | 4 - 6 | 7 - 10 | 11 - 14 | 17 - 21 | 22 - 27 | 28 - 33 | 34 - 40 | 41 - 47 | 48 - 55 | ≥ 56 | %     | MEAN<br>WIND<br>SPEED |
|-------------------------|-------|-------|--------|---------|---------|---------|---------|---------|---------|---------|------|-------|-----------------------|
| N                       | 1.4   | 1.4   | 2.2    |         |         | 1.4     |         |         |         |         |      | 6.5   | 9.6                   |
| NNE                     |       |       | .7     |         |         | .7      |         |         |         |         |      | 1.4   | 16.0                  |
| NE                      | 1.4   | .7    |        | .7      |         |         |         |         |         |         |      | 2.9   | 5.5                   |
| ENE                     | 1.4   | 2.9   | .7     | 1.4     |         |         |         |         |         |         |      | 6.5   | 6.7                   |
| E                       | .7    | .7    | 2.2    | .7      |         |         |         |         |         |         |      | 4.3   | 7.8                   |
| ESE                     | 1.4   | .7    | 2.2    | .7      |         |         |         |         |         |         |      | 5.1   | 7.6                   |
| SE                      |       | 2.9   | 4.3    | 3.6     | 2.2     |         |         |         |         |         |      | 13.0  | 10.8                  |
| SSE                     | .7    | 1.4   | 2.2    | 1.4     | 1.4     | 2.2     | 2.9     |         |         |         |      | 12.3  | 17.4                  |
| S                       |       | .7    | 2.2    | 5.1     | .7      |         |         |         |         |         |      | 8.7   | 12.5                  |
| SSW                     |       |       | 2.2    | 1.4     | .7      |         |         |         |         |         |      | 4.3   | 12.0                  |
| SW                      | 1.4   |       | .7     | .7      |         |         |         |         |         |         |      | 2.9   | 6.5                   |
| WSW                     | 2.2   |       | .7     | .7      |         |         |         |         |         |         |      | 3.6   | 4.8                   |
| W                       |       | 1.4   | 2.2    | 2.2     |         |         |         |         |         |         |      | 5.8   | 9.0                   |
| WNW                     | .7    | 2.9   | 1.4    | 3.6     | 1.4     |         |         |         |         |         |      | 10.1  | 10.4                  |
| NW                      | .7    |       | 2.9    | .7      | 2.9     |         |         |         |         |         |      | 7.2   | 12.6                  |
| NNW                     | 2.2   | 1.4   |        | 1.4     |         |         |         |         |         |         |      | 5.1   | 7.1                   |
| VARBL                   |       |       |        |         |         |         |         |         |         |         |      |       |                       |
| CALM                    |       |       |        |         |         |         |         |         |         |         |      |       |                       |
|                         | 14.5  | 17.4  | 26.8   | 24.6    | 9.4     | 4.3     | 2.9     |         |         |         |      | 100.0 | 10.5                  |

TOTAL NUMBER OF OBSERVATIONS 138

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

# SURFACE WINDS

## PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

00002 STATION MAUI OPTICAL SITE HI SOUTH TOWER 78-79 YEARS MAY MONTH 0300-0500 HOURS (L.S.T.)

ALL WEATHER CLASS

CONDITION

| SPEED (KNTS) DIR. | 1 - 3 | 4 - 6 | 7 - 10 | 11 - 16 | 17 - 21 | 22 - 27 | 28 - 33 | 34 - 40 | 41 - 47 | 48 - 55 | ≥ 56 | %     | MEAN WIND SPEED |
|-------------------|-------|-------|--------|---------|---------|---------|---------|---------|---------|---------|------|-------|-----------------|
| N                 |       |       |        |         | .7      | 1.4     |         |         |         |         |      | 2.2   | 22.3            |
| NNE               | 1.4   | 1.4   |        | .7      |         |         |         |         |         |         |      | 3.6   | 5.6             |
| NE                | 1.4   | .7    | 1.4    | .7      |         |         |         |         |         |         |      | 4.3   | 7.2             |
| ENE               |       | 2.9   | 1.4    |         |         |         |         |         |         |         |      | 4.3   | 5.3             |
| E                 |       | 2.2   | 3.6    | .7      |         |         |         |         |         |         |      | 6.5   | 7.6             |
| ESE               | .7    | .7    | 1.4    |         |         |         |         |         |         |         |      | 2.9   | 6.3             |
| SE                | .7    | 2.9   | 4.3    | 1.4     | 3.6     | .7      |         |         |         |         |      | 13.8  | 11.4            |
| SSE               |       | 1.4   | 1.4    | 3.6     | 1.4     | 3.6     | 1.4     |         |         |         |      | 13.0  | 17.6            |
| S                 |       | 2.2   | 1.4    | 2.2     | .7      |         |         |         |         |         |      | 6.5   | 9.9             |
| SSW               | 1.4   |       | 2.2    | 1.4     |         |         |         |         |         |         |      | 5.1   | 8.0             |
| SW                | 1.4   | .7    |        | 2.9     | .7      |         |         |         |         |         |      | 5.8   | 10.6            |
| WSW               | 1.4   |       | 1.4    |         |         |         |         |         |         |         |      | 2.9   | 5.5             |
| W                 | .7    | 2.2   |        | 1.4     |         |         |         |         |         |         |      | 4.3   | 7.5             |
| WNW               | .7    | 2.2   | 1.4    | 2.9     | 3.6     |         |         |         |         |         |      | 10.9  | 11.8            |
| NW                | 1.4   | 2.9   | 2.2    | 2.9     | .7      |         |         |         |         |         |      | 10.1  | 8.8             |
| NNW               |       | .7    | 2.2    | .7      |         |         |         |         |         |         |      | 3.6   | 9.0             |
| VARBL             |       |       |        |         |         |         |         |         |         |         |      |       |                 |
| CALM              |       |       |        |         |         |         |         |         |         |         |      |       |                 |
|                   | 11.6  | 23.2  | 24.6   | 21.7    | 11.6    | 5.8     | 1.4     |         |         |         |      | 100.0 | 10.4            |

TOTAL NUMBER OF OBSERVATIONS 138

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

00002  
STATION

MAUI OPTICAL SITE HI SOUTH TOWER  
STATION NAME

78-79  
YEARS

MAY  
MONTH

ALL WEATHER  
CLASS

0600-0800  
HOURS (L.S.T.)

CONDITION

| SPEED<br>(KNTS)<br>DIR. | 1 - 3 | 4 - 6 | 7 - 10 | 11 - 16 | 17 - 21 | 22 - 27 | 28 - 33 | 34 - 40 | 41 - 47 | 48 - 55 | ≥ 56 | %     | MEAN<br>WIND<br>SPEED |
|-------------------------|-------|-------|--------|---------|---------|---------|---------|---------|---------|---------|------|-------|-----------------------|
| N                       |       |       | .7     |         |         |         |         |         |         |         |      | .7    | 10.0                  |
| NNE                     |       |       |        | .7      | .7      |         |         |         |         |         |      | 1.4   | 14.0                  |
| NE                      | .7    |       |        | 1.4     | .7      |         |         |         |         |         |      | 2.9   | 11.5                  |
| ENE                     | 1.4   | 3.6   | 2.9    | 2.2     |         |         |         |         |         |         |      | 10.1  | 7.5                   |
| E                       |       |       | .7     |         |         |         |         |         |         |         |      | .7    | 8.0                   |
| ESE                     | .7    | 1.4   | 3.6    |         |         |         |         |         |         |         |      | 5.8   | 6.8                   |
| SE                      | .7    | 2.2   | 3.6    | 1.4     | 2.2     | .7      | .7      |         |         |         |      | 11.6  | 12.1                  |
| SSE                     |       |       | 2.2    | 3.6     | 4.3     | .7      | 2.9     |         |         |         |      | 13.8  | 17.8                  |
| S                       | 2.2   |       | 1.4    | 2.9     |         |         |         |         |         |         |      | 6.5   | 8.8                   |
| SSW                     | 2.2   |       | 2.2    | 1.4     |         |         |         |         |         |         |      | 5.8   | 8.0                   |
| SW                      | 1.4   | 1.4   | .7     | 3.6     |         |         |         |         |         |         |      | 7.2   | 8.8                   |
| WSW                     | 2.9   | .7    | .7     | .7      |         |         |         |         |         |         |      | 5.1   | 5.3                   |
| W                       | .7    | 1.4   |        | 2.2     |         |         |         |         |         |         |      | 4.3   | 9.3                   |
| WNW                     | 1.4   | 2.2   | 1.4    | 1.4     | .7      |         |         |         |         |         |      | 7.2   | 8.2                   |
| NW                      | 2.2   | 3.6   | .7     | 3.6     | 2.2     |         |         |         |         |         |      | 12.3  | 9.6                   |
| NNW                     |       |       | 2.9    | 1.4     |         |         |         |         |         |         |      | 4.3   | 9.5                   |
| VARBL                   |       |       |        |         |         |         |         |         |         |         |      |       |                       |
| CALM                    |       |       |        |         |         |         |         |         |         |         |      |       |                       |
|                         | 16.7  | 16.7  | 23.9   | 26.8    | 10.9    | 1.4     | 3.6     |         |         |         |      | 100.0 | 10.2                  |

TOTAL NUMBER OF OBSERVATIONS

138

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

# SURFACE WINDS

## PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

00002  
STATION

MAUI OPTICAL SITE HI SOUTH TOWER  
STATION NAME

78-79  
YEARS

MAY  
MONTH

ALL WEATHER  
CLASS

0900-1100  
HOURS (L.S.T.)

CONDITION

| SPEED<br>(KNTS)<br>DIR. | 1 - 3 | 4 - 6 | 7 - 10 | 11 - 16 | 17 - 21 | 22 - 27 | 28 - 33 | 34 - 40 | 41 - 47 | 48 - 55 | ≥ 56 | %     | MEAN<br>WIND<br>SPEED |
|-------------------------|-------|-------|--------|---------|---------|---------|---------|---------|---------|---------|------|-------|-----------------------|
| N                       |       | 1.5   |        |         |         |         |         |         |         |         |      | 1.5   | 6.0                   |
| NNE                     |       | 3.0   | .7     | 1.5     |         |         |         |         |         |         |      | 5.2   | 6.9                   |
| NE                      | .7    | 1.5   | 1.5    |         |         |         |         |         |         |         |      | 3.7   | 6.4                   |
| ENE                     | 2.2   | .7    | 2.2    | 1.5     |         |         |         |         |         |         |      | 6.7   | 7.6                   |
| E                       |       | .7    | 1.5    | .7      |         |         |         |         |         |         |      | 3.0   | 7.5                   |
| ESE                     |       | 2.2   | 2.2    |         |         |         |         |         |         |         |      | 4.4   | 7.2                   |
| SE                      | .7    | 2.2   | 1.5    | 5.2     | .7      | 1.5     |         |         |         |         |      | 11.9  | 11.9                  |
| SSE                     | .7    | 2.2   | 1.5    | 3.0     | 2.2     | 1.5     | 1.5     |         |         |         |      | 12.6  | 15.1                  |
| S                       | 1.5   | 2.2   | 1.5    | 2.2     | .7      |         |         |         |         |         |      | 8.1   | 8.5                   |
| SSW                     |       |       | 1.5    | 1.5     |         |         |         |         |         |         |      | 3.0   | 11.3                  |
| SW                      | 1.5   | .7    |        |         | .7      |         |         |         |         |         |      | 3.7   | 6.8                   |
| WSW                     | 1.5   | 1.5   | 2.2    | 1.5     | .7      |         |         |         |         |         |      | 7.4   | 8.4                   |
| W                       |       | 3.0   | 5.2    | 2.2     | .7      |         |         |         |         |         |      | 11.1  | 9.3                   |
| WNW                     | 2.2   | .7    |        |         |         | 2.2     |         |         |         |         |      | 5.2   | 12.0                  |
| NW                      | .7    | 2.2   | 2.2    | 3.0     | .7      |         |         |         |         |         |      | 8.9   | 9.4                   |
| NNW                     | .7    | .7    | .7     | .7      | .7      |         |         |         |         |         |      | 3.7   | 9.2                   |
| VARBL                   |       |       |        |         |         |         |         |         |         |         |      |       |                       |
| CALM                    |       |       |        |         |         |         |         |         |         |         |      |       |                       |
|                         | 12.6  | 25.2  | 25.2   | 23.0    | 7.4     | 5.2     | 1.5     |         |         |         |      | 100.0 | 9.8                   |

TOTAL NUMBER OF OBSERVATIONS

135

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

## SURFACE WINDS

### PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

00002 MAUI OPTICAL SITE HI SOUTH TOWER 78-79 MAY  
STATION STATION NAME YEARS MONTH  
ALL WEATHER  
CLASS  
CONDITION  
1200-1400  
HOURS (L.S.T.)

| SPEED<br>(KNTS)<br>DIR. | 1 - 3 | 4 - 6 | 7 - 10 | 11 - 16 | 17 - 21 | 22 - 27 | 28 - 33 | 34 - 40 | 41 - 47 | 48 - 55 | ≥ 56 | %     | MEAN<br>WIND<br>SPEED |
|-------------------------|-------|-------|--------|---------|---------|---------|---------|---------|---------|---------|------|-------|-----------------------|
| N                       | 1.4   |       | 2.2    |         |         |         |         |         |         |         |      | 3.6   | 5.8                   |
| NNE                     | .7    | 3.6   | 1.4    | 1.4     |         |         |         |         |         |         |      | 7.2   | 6.5                   |
| NE                      |       | 1.4   | 1.4    |         |         |         |         |         |         |         |      | 2.9   | 7.5                   |
| ENE                     |       | 2.9   | .7     | .7      |         |         |         |         |         |         |      | 4.3   | 6.3                   |
| E                       |       | 1.4   | .7     |         |         |         |         |         |         |         |      | 2.2   | 6.7                   |
| ESE                     | .7    | 2.9   |        |         |         |         |         |         |         |         |      | 3.6   | 4.8                   |
| SE                      |       | 2.2   | 1.4    | 1.4     | .7      |         |         |         |         |         |      | 5.8   | 9.6                   |
| SSE                     | .7    | 3.6   | 1.4    | 2.2     | 2.9     | .7      | .7      | 1.4     |         |         |      | 13.7  | 14.8                  |
| S                       | .7    | .7    | 2.2    | 1.4     | .7      | .7      |         |         |         |         |      | 6.5   | 10.3                  |
| SSW                     |       | 1.4   | 2.9    |         |         |         |         |         |         |         |      | 4.3   | 7.2                   |
| SW                      |       | 2.9   | 2.2    |         |         |         |         |         |         |         |      | 5.0   | 7.0                   |
| WSW                     |       | 2.9   | 3.6    | .7      | .7      |         |         |         |         |         |      | 7.9   | 8.1                   |
| W                       | 1.4   | 5.0   | .7     | 2.2     | .7      |         |         |         |         |         |      | 10.1  | 7.4                   |
| WNW                     | 1.4   | .7    | 4.3    | 1.4     |         |         |         |         |         |         |      | 7.9   | 7.9                   |
| NW                      | .7    | 2.2   | 3.6    | 1.4     | .7      |         |         |         |         |         |      | 8.6   | 8.9                   |
| NNW                     | .7    | 1.4   | 2.2    | .7      | 1.4     |         |         |         |         |         |      | 6.5   | 9.6                   |
| VARB                    |       |       |        |         |         |         |         |         |         |         |      |       |                       |
| CALM                    |       |       |        |         |         |         |         |         |         |         |      |       |                       |
|                         | 8.6   | 35.3  | 30.9   | 13.7    | 7.9     | 1.4     | .7      | 1.4     |         |         |      | 100.0 | 8.8                   |

TOTAL NUMBER OF OBSERVATIONS 139

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

## SURFACE WINDS

### PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

00002

STATION

MAUI OPTICAL SITE HI SOUTH TOWER

STATION NAME

78-79

YEARS

MAY

MONTH

ALL WEATHER

CLASS

1500-1700

HOURS (L.S.T.)

CONDITION

| SPEED<br>(KNTS)<br>DIR. | 1 - 3 | 4 - 6 | 7 - 10 | 11 - 16 | 17 - 21 | 22 - 27 | 28 - 33 | 34 - 40 | 41 - 47 | 48 - 55 | ≥ 56 | %     | MEAN<br>WIND<br>SPEED |
|-------------------------|-------|-------|--------|---------|---------|---------|---------|---------|---------|---------|------|-------|-----------------------|
| N                       |       | 2.2   | 2.2    | .7      |         |         |         |         |         |         |      | 5.1   | 8.3                   |
| NNE                     | .7    | 1.4   | .7     |         |         |         |         |         |         |         |      | 2.9   | 6.3                   |
| NE                      | 1.4   | 1.4   | .7     | 1.4     |         |         |         |         |         |         |      | 5.1   | 6.0                   |
| ENE                     |       | .7    | 1.4    | .7      |         |         |         |         |         |         |      | 2.9   | 9.0                   |
| E                       | .7    | 1.4   | 1.4    | 1.4     |         |         |         |         |         |         |      | 5.1   | 7.0                   |
| ESE                     | 1.4   | 1.4   | 2.2    | 1.4     |         |         |         |         |         |         |      | 6.5   | 7.0                   |
| SE                      | .7    | 2.2   | 3.6    | 3.6     |         | .7      |         |         |         |         |      | 10.9  | 9.7                   |
| SSE                     | .7    |       | .7     | .7      |         | 3.6     | .7      |         |         |         |      | 6.5   | 19.4                  |
| S                       | .7    | 1.4   |        | 1.4     | 1.4     | .7      |         |         |         |         |      | 5.8   | 11.8                  |
| SSW                     |       | .7    | .7     | 2.2     |         |         |         |         |         |         |      | 3.6   | 11.4                  |
| SW                      | 2.2   | 1.4   | 4.3    | 1.4     |         |         |         |         |         |         |      | 9.4   | 6.9                   |
| WSW                     | 1.4   | 5.1   | 1.4    | 1.4     | .7      |         |         |         |         |         |      | 10.1  | 6.8                   |
| W                       | .7    | .7    | 1.4    | 1.4     | .7      |         |         |         |         |         |      | 5.1   | 9.4                   |
| WNW                     | .7    | 2.2   | 1.4    | .7      |         |         |         |         |         |         |      | 5.1   | 6.6                   |
| NW                      | 1.4   | 1.4   | 3.6    | 1.4     | .7      |         |         |         |         |         |      | 8.7   | 9.1                   |
| NNW                     | .7    | 1.4   | 3.6    | 1.4     |         |         |         |         |         |         |      | 7.2   | 7.4                   |
| VABL                    |       |       |        |         |         |         |         |         |         |         |      |       |                       |
| CALM                    |       |       |        |         |         |         |         |         |         |         |      |       |                       |
|                         | 13.8  | 25.4  | 29.7   | 21.7    | 3.6     | 5.1     | .7      |         |         |         |      | 100.0 | 8.9                   |

TOTAL NUMBER OF OBSERVATIONS

138

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

00002

MAUI OPTICAL SITE H1 SOUTH TOWER

78-79

MAY

STATION

STATION NAME

YEARS

MONTH

ALL WEATHER

1800-2000

CLASS

HOURS (L.S.T.)

CONDITION

| SPEED<br>(KNTS)<br>DIR. | 1-3  | 4-6  | 7-10 | 11-16 | 17-21 | 22-27 | 28-33 | 34-40 | 41-47 | 48-55 | ≥56 | %     | MEAN<br>WIND<br>SPEED |
|-------------------------|------|------|------|-------|-------|-------|-------|-------|-------|-------|-----|-------|-----------------------|
| N                       | .7   |      |      | .7    | .7    |       |       |       |       |       |     | 2.2   | 11.0                  |
| NNE                     | 1.5  |      | 2.2  | 1.5   | .7    |       |       |       |       |       |     | 5.8   | 9.5                   |
| NE                      |      | 2.9  | .7   | 1.5   |       |       |       |       |       |       |     | 5.1   | 8.0                   |
| ENE                     |      | 2.2  | .7   | 2.2   |       |       |       |       |       |       |     | 5.1   | 9.4                   |
| E                       | 1.5  | 1.5  | 2.2  | .7    |       |       |       |       |       |       |     | 5.8   | 6.0                   |
| ESE                     | .7   | 1.5  | 1.5  |       |       |       |       |       |       |       |     | 3.6   | 6.0                   |
| SE                      | .7   | 2.9  | 5.1  | 3.6   | 2.2   |       |       |       |       |       |     | 14.6  | 11.0                  |
| SSE                     | 2.2  |      | 3.6  |       | .7    | 2.2   | 2.2   |       |       |       |     | 10.9  | 16.2                  |
| S                       | .7   |      | .7   | 2.2   | .7    |       |       |       |       |       |     | 4.4   | 11.8                  |
| SSW                     | .7   | 2.9  | .7   |       | .7    | .7    |       |       |       |       |     | 5.8   | 8.9                   |
| SW                      | 1.5  | 2.2  | 1.5  | 1.5   |       |       |       |       |       |       |     | 6.6   | 7.1                   |
| WSW                     | 1.5  | 2.2  | .7   | .7    | .7    |       |       |       |       |       |     | 5.8   | 7.3                   |
| W                       | 2.9  |      | 2.9  | 1.5   |       |       |       |       |       |       |     | 7.3   | 6.8                   |
| WNW                     | .7   | .7   | 2.9  | .7    |       | .7    |       |       |       |       |     | 5.8   | 9.0                   |
| NW                      | 2.2  | 1.5  | 2.2  | 2.2   | .7    | .7    |       |       |       |       |     | 9.5   | 9.9                   |
| NNW                     |      |      |      |       | 1.5   |       |       |       |       |       |     | 1.5   | 17.5                  |
| VARBL                   |      |      |      |       |       |       |       |       |       |       |     |       |                       |
| CALM                    |      |      |      |       |       |       |       |       |       |       |     |       |                       |
|                         | 17.5 | 20.4 | 27.7 | 19.0  | 8.8   | 4.4   | 2.2   |       |       |       |     | 100.0 | 9.8                   |

TOTAL NUMBER OF OBSERVATIONS

137

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

# SURFACE WINDS

## PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

00002 MAUI OPTICAL SITE HI SOUTH TOWER 78-79  
STATION STATION NAME YEARS  
ALL WEATHER  
CLASS  
CONDITION  
MAY  
MONTH  
2100-2300  
HOURS (L.S.T.)

| SPEED<br>(KNTS)<br>DIR. | 1 - 3 | 4 - 6 | 7 - 10 | 11 - 16 | 17 - 21 | 22 - 27 | 28 - 33 | 34 - 40 | 41 - 47 | 48 - 55 | ≥ 56 | %     | MEAN<br>WIND<br>SPEED |
|-------------------------|-------|-------|--------|---------|---------|---------|---------|---------|---------|---------|------|-------|-----------------------|
| N                       |       |       |        |         |         |         |         |         |         |         |      |       |                       |
| NNE                     | .7    | 1.4   | .7     | .7      | 1.4     | .7      |         |         |         |         |      | 5.8   | 11.4                  |
| NE                      |       | 3.6   | .7     | .7      |         |         |         |         |         |         |      | 5.1   | 7.4                   |
| ENE                     |       | .7    | 1.4    | 2.9     |         | .7      |         |         |         |         |      | 5.8   | 11.9                  |
| E                       | .7    | 2.2   | 1.4    | 1.4     |         |         |         |         |         |         |      | 5.8   | 7.4                   |
| ESE                     |       | 2.9   | 1.4    |         |         |         |         |         |         |         |      | 4.3   | 6.0                   |
| SE                      |       | 2.2   | 5.1    | 3.6     | 1.4     | .7      |         |         |         |         |      | 13.0  | 11.6                  |
| SSE                     | .7    | 2.2   | 3.6    |         | 2.2     | 2.2     | 2.2     |         |         |         |      | 13.0  | 16.2                  |
| S                       | .7    |       | 1.4    | 1.4     | .7      | .7      |         |         |         |         |      | 5.1   | 12.9                  |
| SSW                     |       | 1.4   |        | .7      | 1.4     |         |         |         |         |         |      | 3.6   | 13.2                  |
| SW                      | .7    | 2.2   | 2.2    | 2.2     |         |         |         |         |         |         |      | 7.2   | 7.7                   |
| WSW                     | 1.4   |       | 2.2    | 1.4     |         |         |         |         |         |         |      | 5.1   | 8.3                   |
| W                       | 1.4   |       | 2.2    | 2.9     |         |         |         |         |         |         |      | 6.5   | 9.6                   |
| WNW                     |       | 1.4   | 1.4    | 2.9     | 1.4     |         |         |         |         |         |      | 7.2   | 11.4                  |
| NW                      | .7    | .7    | 3.6    |         |         | 2.2     |         |         |         |         |      | 7.2   | 11.6                  |
| NNW                     | .7    | 1.4   |        | 2.2     | .7      |         |         |         |         |         |      | 5.1   | 9.7                   |
| VARBL                   |       |       |        |         |         |         |         |         |         |         |      |       |                       |
| CALM                    |       |       |        |         |         |         |         |         |         |         |      |       |                       |
|                         | 8.0   | 22.5  | 27.5   | 23.2    | 9.4     | 7.2     | 2.2     |         |         |         |      | 100.0 | 10.9                  |

TOTAL NUMBER OF OBSERVATIONS 138



GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

# SURFACE WINDS

## PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

00002  
STATION

MAUI OPTICAL SITE HI SOUTH TOWER  
STATION NAME

78-79  
YEARS

MAY  
MONTH

ALL WEATHER  
CLASS

ALL  
HOURS (L.S.T.)

CONDITION

| SPEED<br>(KNTS)<br>DIR. | 1-3  | 4-6  | 7-10 | 11-14 | 17-21 | 22-27 | 28-33 | 34-40 | 41-47 | 48-55 | ≥56 | %     | MEAN<br>WIND<br>SPEED |
|-------------------------|------|------|------|-------|-------|-------|-------|-------|-------|-------|-----|-------|-----------------------|
| N                       | .5   | .6   | .9   | .2    | .2    | .4    |       |       |       |       |     | 2.7   | 9.8                   |
| NNE                     | .6   | 1.4  | .8   | .8    | .4    | .2    |       |       |       |       |     | 4.2   | 8.5                   |
| NE                      | .7   | 1.5  | .8   | .8    | .1    |       |       |       |       |       |     | 4.0   | 7.3                   |
| ENE                     | .6   | 2.1  | 1.5  | 1.5   |       | .1    |       |       |       |       |     | 5.7   | 7.9                   |
| E                       | .5   | 1.3  | 1.7  | .7    |       |       |       |       |       |       |     | 4.2   | 7.2                   |
| ESE                     | .7   | 1.7  | 1.8  | .3    |       |       |       |       |       |       |     | 4.5   | 6.6                   |
| SE                      | .5   | 2.5  | 3.6  | 3.0   | 1.6   | .5    | .1    |       |       |       |     | 11.8  | 11.1                  |
| SSE                     | .7   | 1.4  | 2.1  | 1.8   | 1.9   | 2.1   | 1.8   | .2    |       |       |     | 12.0  | 16.6                  |
| S                       | .8   | .9   | 1.4  | 2.4   | .7    | .3    |       |       |       |       |     | 6.4   | 10.7                  |
| SSW                     | .5   | .8   | 1.5  | 1.1   | .4    | .1    |       |       |       |       |     | 4.5   | 9.7                   |
| SW                      | 1.3  | 1.5  | 1.5  | 1.5   | .2    |       |       |       |       |       |     | 6.0   | 7.8                   |
| WSW                     | 1.5  | 1.5  | 1.6  | .9    | .4    |       |       |       |       |       |     | 6.0   | 7.1                   |
| W                       | 1.0  | 1.7  | 1.8  | 2.0   | .3    |       |       |       |       |       |     | 6.8   | 8.5                   |
| WNW                     | 1.0  | 1.6  | 1.8  | 1.7   | .9    | .4    |       |       |       |       |     | 7.4   | 9.8                   |
| NW                      | 1.3  | 1.8  | 2.6  | 1.9   | 1.1   | .4    |       |       |       |       |     | 9.1   | 9.9                   |
| NNW                     | .6   | .9   | 1.5  | 1.1   | .5    |       |       |       |       |       |     | 4.6   | 9.0                   |
| VARBL                   |      |      |      |       |       |       |       |       |       |       |     |       |                       |
| CALM                    |      |      |      |       |       |       |       |       |       |       |     |       |                       |
|                         | 12.9 | 23.3 | 27.1 | 21.7  | 8.6   | 4.4   | 1.9   | .2    |       |       |     | 100.0 | 9.9                   |

TOTAL NUMBER OF OBSERVATIONS

1101

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

00002  
STATION

MAUI OPTICAL SITE HI SOUTH TOWER  
STATION NAME

78-79  
YEARS

JUN  
MONTH

ALL WEATHER  
CLASS

0000-0200  
HOURS (L.S.T.)

CONDITION

| SPEED<br>(KNTS)<br>DIR. | 1-3  | 4-6  | 7-10 | 11-16 | 17-21 | 22-27 | 28-33 | 34-40 | 41-47 | 48-53 | ≥54 | %     | MEAN<br>WIND<br>SPEED |
|-------------------------|------|------|------|-------|-------|-------|-------|-------|-------|-------|-----|-------|-----------------------|
| N                       | 1.1  | .6   | 1.7  | 1.7   |       |       | .6    |       |       |       |     | 5.6   | 10.6                  |
| NNE                     | 1.7  | 1.1  | 5.1  | 2.8   | 1.7   | 1.1   |       |       |       |       |     | 13.6  | 11.3                  |
| NE                      | .6   | 2.3  | 2.8  | 3.4   | 1.7   |       |       |       |       |       |     | 10.7  | 10.6                  |
| ENE                     | .6   |      | 1.1  | 1.1   |       |       |       |       |       |       |     | 2.8   | 10.6                  |
| E                       | .6   | 1.1  | 1.1  |       |       |       |       |       |       |       |     | 2.8   | 6.0                   |
| ESE                     |      | 1.7  | 1.7  | 1.7   |       |       |       |       |       |       |     | 5.1   | 9.4                   |
| SE                      | 1.1  | 1.7  | 4.0  | 4.0   | 1.1   |       |       |       |       |       |     | 11.9  | 10.4                  |
| SSE                     |      |      | 2.3  | 5.1   | 2.8   | 1.7   |       |       |       |       |     | 11.9  | 15.7                  |
| S                       | 1.1  | .6   | 2.8  | 5.1   | .6    | .6    |       |       |       |       |     | 10.7  | 11.9                  |
| SSW                     | 2.8  | 2.3  |      |       |       |       |       |       |       |       |     | 5.1   | 3.7                   |
| SW                      | .6   | 1.7  |      |       |       |       |       |       |       |       |     | 2.3   | 4.0                   |
| WSW                     | .6   | .6   | .6   |       |       |       |       |       |       |       |     | 1.7   | 4.7                   |
| W                       | 2.3  | .6   | 1.1  |       |       |       |       |       |       |       |     | 4.0   | 4.7                   |
| WNW                     | 3.4  | .6   |      |       |       |       |       |       |       |       |     | 4.0   | 2.7                   |
| NW                      | .6   | 1.1  |      | 1.7   |       | 1.1   |       |       |       |       |     | 4.5   | 12.8                  |
| NNW                     | .6   | .6   | 1.7  |       |       | .6    |       |       |       |       |     | 3.4   | 9.2                   |
| VARBL                   |      |      |      |       |       |       |       |       |       |       |     |       |                       |
| CALM                    |      |      |      |       |       |       |       |       |       |       |     |       |                       |
|                         | 17.5 | 16.4 | 26.0 | 26.6  | 7.9   | 5.1   | .6    |       |       |       |     | 100.0 | 10.1                  |

TOTAL NUMBER OF OBSERVATIONS

177

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

# SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)

00002 MAUI OPTICAL SITE HI SOUTH TOWER 78-79  
STATION STATION NAME YEARS  
ALL WEATHER  
CLASS  
CONDITION  
JUN  
MONTH  
0300-0500  
HOURS (L.S.T.)

| SPEED<br>(KNTS)<br>DIR. | 1 - 3 | 4 - 6 | 7 - 10 | 11 - 16 | 17 - 21 | 22 - 27 | 28 - 33 | 34 - 40 | 41 - 47 | 48 - 55 | ≥ 56 | %     | MEAN<br>WIND<br>SPEED |
|-------------------------|-------|-------|--------|---------|---------|---------|---------|---------|---------|---------|------|-------|-----------------------|
| N                       | 1.7   | .6    | 1.7    | 1.7     | 1.7     | .6      |         |         |         |         |      | 7.9   | 10.9                  |
| NNE                     |       | 1.7   | 5.1    | 5.1     | 1.1     |         |         |         |         |         |      | 13.0  | 10.2                  |
| NE                      | .6    | .6    | 2.3    | 4.5     | .6      |         |         |         |         |         |      | 8.5   | 10.5                  |
| ENE                     |       | .6    | .6     | .6      |         |         |         |         |         |         |      | 1.7   | 7.3                   |
| E                       | .6    | 2.3   | 1.1    | .6      |         |         |         |         |         |         |      | 4.5   | 6.6                   |
| ESE                     | .6    | 1.7   | 2.8    | 1.7     |         |         |         |         |         |         |      | 6.8   | 7.9                   |
| SE                      | .6    | 2.3   |        | 2.3     | 1.1     |         |         |         |         |         |      | 6.2   | 10.7                  |
| SSE                     | 1.1   | .6    | 1.1    | 6.8     | 5.1     |         |         |         |         |         |      | 14.7  | 13.8                  |
| S                       | 2.3   | 1.1   | 2.8    | 1.1     | 3.4     |         |         |         |         |         |      | 10.7  | 10.8                  |
| SSW                     | .6    | 1.7   | .6     | .6      |         | .6      |         |         |         |         |      | 4.0   | 8.7                   |
| SW                      | .6    |       |        |         |         |         |         |         |         |         |      | .6    | 3.0                   |
| WSW                     | .6    | .6    |        |         |         |         |         |         |         |         |      | 1.1   | 2.5                   |
| W                       | 2.3   | 1.1   | .6     |         |         |         |         |         |         |         |      | 4.0   | 3.4                   |
| WNW                     | .6    | 1.1   | .6     | .6      | .6      |         |         |         |         |         |      | 3.4   | 8.5                   |
| NW                      | 1.7   | .6    |        | .6      | 1.1     |         |         |         |         |         |      | 4.0   | 8.9                   |
| NNW                     | 2.3   | 3.4   | 2.3    | .6      | .6      |         |         |         |         |         |      | 9.0   | 6.7                   |
| VARBL                   |       |       |        |         |         |         |         |         |         |         |      |       |                       |
| CALM                    |       |       |        |         |         |         |         |         |         |         |      |       |                       |
|                         | 15.8  | 19.8  | 21.5   | 26.6    | 15.3    | 1.1     |         |         |         |         |      | 100.0 | 9.7                   |

TOTAL NUMBER OF OBSERVATIONS 177

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

# SURFACE WINDS

## PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

00002 MAUI OPTICAL SITE HI SOUTH TOWER 78-79 JUN  
STATION STATION NAME YEARS MONTH  
ALL WEATHER  
CLASS  
0600-0800  
HOURS (L.S.T.)

| SPEED<br>(KNTS)<br>DIR. | 1 - 3 | 4 - 6 | 7 - 10 | 11 - 16 | 17 - 21 | 22 - 27 | 28 - 33 | 34 - 40 | 41 - 47 | 48 - 55 | ≥ 56 | %     | MEAN<br>WIND<br>SPEED |
|-------------------------|-------|-------|--------|---------|---------|---------|---------|---------|---------|---------|------|-------|-----------------------|
| N                       | .6    | .6    | .6     | 1.7     | 1.7     | .6      |         |         |         |         |      | 5.7   | 12.9                  |
| NNE                     | .6    | 1.7   | 5.7    | 6.8     |         |         |         |         |         |         |      | 14.8  | 9.7                   |
| NE                      | 1.1   | 1.7   | 2.8    | 1.7     | .6      | 1.1     |         |         |         |         |      | 9.1   | 10.9                  |
| ENE                     | 1.7   | 1.1   |        |         |         |         |         |         |         |         |      | 2.8   | 3.4                   |
| E                       | .6    | 4.5   | 1.1    |         |         |         |         |         |         |         |      | 6.2   | 4.9                   |
| ESE                     | .6    | 2.8   |        | 2.3     |         |         |         |         |         |         |      | 5.7   | 7.7                   |
| SE                      | .6    | 3.4   | 1.1    | 1.1     | 1.7     |         |         |         |         |         |      | 8.0   | 9.1                   |
| SSE                     |       | 1.1   |        | 6.8     | 3.4     |         |         |         |         |         |      | 11.4  | 14.6                  |
| S                       | 1.1   | 1.7   | .6     | 4.5     | 4.0     |         |         |         |         |         |      | 11.9  | 12.3                  |
| SSW                     | 1.1   | 1.1   | .6     |         |         |         |         |         |         |         |      | 2.8   | 4.4                   |
| SW                      | 1.7   |       |        |         |         |         |         |         |         |         |      | 1.7   | 2.7                   |
| WSW                     | 2.3   |       |        |         |         |         |         |         |         |         |      | 2.3   | 2.5                   |
| W                       | .6    | 1.1   |        |         |         |         |         |         |         |         |      | 1.7   | 4.3                   |
| WNW                     | 1.1   | 1.1   | 1.1    | .6      |         |         |         |         |         |         |      | 4.0   | 6.4                   |
| NW                      | .6    | .6    | 1.7    | 1.1     | .6      | .6      |         |         |         |         |      | 5.1   | 11.3                  |
| NNW                     | 1.7   | 1.7   | 1.7    |         | 1.1     | .6      |         |         |         |         |      | 6.8   | 8.4                   |
| VARBL                   |       |       |        |         |         |         |         |         |         |         |      |       |                       |
| CALM                    |       |       |        |         |         |         |         |         |         |         |      |       |                       |
|                         | 15.9  | 24.4  | 17.0   | 26.7    | 13.1    | 2.8     |         |         |         |         |      | 100.0 | 9.6                   |

TOTAL NUMBER OF OBSERVATIONS 176

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

00002  
STATION

MAUI OPTICAL SITE HI SOUTH TOWER  
STATION NAME

78-79  
YEARS

JUN  
MONTH

ALL WEATHER  
CLASS

0900-1100  
HOURS (L.S.T.)

CONDITION

| SPEED<br>(KNTS)<br>DIR. | 1-3  | 4-6  | 7-10 | 11-16 | 17-21 | 22-27 | 28-33 | 34-40 | 41-47 | 48-55 | ≥56 | %     | MEAN<br>WIND<br>SPEED |
|-------------------------|------|------|------|-------|-------|-------|-------|-------|-------|-------|-----|-------|-----------------------|
| N                       | 1.2  |      | 1.2  | 3.5   |       | .6    |       |       |       |       |     | 6.4   | 11.7                  |
| NNE                     | .6   | 1.2  | 4.1  | 4.7   | .6    |       |       |       |       |       |     | 11.0  | 10.6                  |
| NE                      | .6   | 1.7  | 4.1  | .6    |       |       |       |       |       |       |     | 7.0   | 8.2                   |
| ENE                     | 1.2  | .6   | .6   | .6    | 1.2   | .6    |       |       |       |       |     | 4.7   | 12.3                  |
| E                       | 1.2  | 1.2  | 1.2  |       |       |       |       |       |       |       |     | 3.5   | 4.8                   |
| ESE                     | 2.3  | 2.9  | 2.9  | 2.9   | .6    |       |       |       |       |       |     | 11.6  | 7.8                   |
| SE                      |      | 2.3  | 2.3  | 1.7   |       |       |       |       |       |       |     | 6.4   | 8.5                   |
| SSE                     |      | 2.9  | 2.3  | 3.5   | 2.3   | 2.3   |       |       |       |       |     | 13.4  | 13.3                  |
| S                       | 1.2  | .6   | 1.7  | 1.7   | 2.9   | .6    |       |       |       |       |     | 8.7   | 12.3                  |
| SSW                     | 1.2  | 2.9  |      | .6    |       |       |       |       |       |       |     | 4.7   | 5.4                   |
| SW                      | 1.7  | 1.2  |      |       |       |       |       |       |       |       |     | 2.9   | 3.6                   |
| WSW                     | .6   |      |      |       |       |       |       |       |       |       |     | .6    | 3.0                   |
| W                       | 1.2  | .6   | 1.7  |       |       |       |       |       |       |       |     | 3.5   | 5.2                   |
| WNW                     | .6   | 2.3  |      | .6    |       |       |       |       |       |       |     | 3.5   | 6.5                   |
| NW                      | .6   | 1.7  | .6   |       | .6    | .6    |       |       |       |       |     | 4.1   | 9.4                   |
| NNW                     | 1.7  | 1.7  | 2.9  | 1.2   | .6    |       |       |       |       |       |     | 8.1   | 7.9                   |
| VARBL                   |      |      |      |       |       |       |       |       |       |       |     |       |                       |
| CALM                    |      |      |      |       |       |       |       |       |       |       |     |       |                       |
|                         | 15.7 | 23.8 | 25.6 | 21.5  | 8.7   | 4.7   |       |       |       |       |     | 100.0 | 9.3                   |

TOTAL NUMBER OF OBSERVATIONS

172

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

# SURFACE WINDS

## PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

00002 STATION MAUI OPTICAL SITE HI SOUTH TOWER 78-79 YEARS JUN MONTH 1200-1400 HOURS (L.S.T.)

ALL WEATHER CLASS

CONDITION

| SPEED (KNTS) DIR. | 1-3  | 4-6  | 7-10 | 11-16 | 17-21 | 22-27 | 28-33 | 34-40 | 41-47 | 48-53 | ≥54 | %     | MEAN WIND SPEED |
|-------------------|------|------|------|-------|-------|-------|-------|-------|-------|-------|-----|-------|-----------------|
| N                 |      | 3.5  | .6   | 5.2   | 4.0   |       |       |       |       |       |     | 13.3  | 12.0            |
| NNE               | .6   | 2.9  | .6   | 2.9   |       |       |       |       |       |       |     | 6.9   | 8.3             |
| NE                | .6   | 1.7  | 3.5  | 2.3   |       |       |       |       |       |       |     | 8.1   | 8.5             |
| ENE               | .6   | 2.3  | 2.3  | .6    |       |       |       |       |       |       |     | 5.8   | 7.0             |
| E                 | 1.7  | 2.9  | 1.2  | .6    | .6    |       |       |       |       |       |     | 6.9   | 6.7             |
| ESE               |      | 2.3  | 1.7  |       |       |       |       |       |       |       |     | 4.0   | 6.9             |
| SE                | 1.7  | 1.2  | 2.9  | 2.9   |       |       |       |       |       |       |     | 8.7   | 8.8             |
| SSE               | 1.2  | 1.7  | 4.0  | .6    | 3.5   | .6    |       |       |       |       |     | 11.6  | 11.7            |
| S                 | .6   | 1.7  | 1.7  | 2.3   | 2.3   |       |       |       |       |       |     | 8.7   | 11.6            |
| SSW               | .6   | .6   | 1.2  | .6    |       |       |       |       |       |       |     | 2.9   | 7.6             |
| SW                | 1.2  | .6   | 1.2  |       |       |       |       |       |       |       |     | 2.9   | 5.2             |
| WSW               | 1.2  | 2.3  |      |       |       |       |       |       |       |       |     | 3.5   | 4.2             |
| W                 | 1.7  | 2.3  | 1.2  |       |       |       |       |       |       |       |     | 5.2   | 4.4             |
| WNW               | 1.2  | 1.2  |      |       |       |       |       |       |       |       |     | 2.3   | 4.3             |
| NW                |      | 2.3  | .6   |       |       |       |       |       |       |       |     | 2.9   | 5.0             |
| NNW               | .6   | 1.2  | 2.9  | 1.7   |       |       |       |       |       |       |     | 6.4   | 8.1             |
| VABL              |      |      |      |       |       |       |       |       |       |       |     |       |                 |
| CALM              |      |      |      |       |       |       |       |       |       |       |     |       |                 |
|                   | 13.3 | 30.6 | 25.4 | 19.7  | 10.4  | .6    |       |       |       |       |     | 100.0 | 8.6             |

TOTAL NUMBER OF OBSERVATIONS 173

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

# SURFACE WINDS

## PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

00002 MAUI OPTICAL SITE HI SOUTH TOWER 78-79  
STATION STATION NAME YEARS  
ALL WEATHER  
CLASS  
CONDITION  
JUN  
MONTH  
1500-1700  
HOURS (L.S.T.)

| SPEED<br>(KNTS)<br>DIR. | 1-3  | 4-6  | 7-10 | 11-16 | 17-21 | 22-27 | 28-33 | 34-40 | 41-47 | 48-55 | ≥56 | %     | MEAN<br>WIND<br>SPEED |
|-------------------------|------|------|------|-------|-------|-------|-------|-------|-------|-------|-----|-------|-----------------------|
| N                       | .6   | 1.1  | 1.7  | 3.4   |       |       |       |       |       |       |     | 6.9   | 10.3                  |
| NNE                     |      | 2.3  | 3.4  | 6.3   | .6    |       |       |       |       |       |     | 12.6  | 10.9                  |
| NE                      | 1.1  | .6   | 1.1  | 1.1   |       |       |       |       |       |       |     | 4.0   | 6.7                   |
| ENE                     | .6   | 2.9  |      |       |       |       |       |       |       |       |     | 3.4   | 4.5                   |
| E                       | .6   | 1.1  | 1.1  | .6    |       |       |       |       |       |       |     | 3.4   | 6.5                   |
| ESE                     |      | 2.3  | 1.1  | 1.1   |       |       |       |       |       |       |     | 4.6   | 7.4                   |
| SE                      | 1.1  | 1.7  | 4.6  | 5.1   | .6    |       |       |       |       |       |     | 13.1  | 9.6                   |
| SSE                     |      | .6   | 1.7  | 5.7   | 1.7   | .6    |       |       |       |       |     | 10.3  | 13.7                  |
| S                       | .6   | 1.7  |      | 1.1   | 2.3   |       |       |       |       |       |     | 5.7   | 11.1                  |
| SSW                     | .6   | 1.7  |      |       |       |       |       |       |       |       |     | 2.3   | 4.0                   |
| SW                      | .6   | 1.1  |      |       |       |       |       |       |       |       |     | 1.7   | 3.7                   |
| WSW                     | 1.1  | 1.1  |      |       |       |       |       |       |       |       |     | 2.3   | 3.8                   |
| W                       | .6   | 2.3  | 1.1  |       |       |       |       |       |       |       |     | 4.0   | 5.4                   |
| WNW                     | .6   | 4.0  | 1.7  |       |       |       |       |       |       |       |     | 6.3   | 5.8                   |
| NW                      | 3.4  | 4.0  | 2.9  |       |       |       |       |       |       |       |     | 10.3  | 4.9                   |
| NNW                     | 1.1  | 1.1  | 3.4  | 2.9   | .6    |       |       |       |       |       |     | 9.1   | 9.8                   |
| VARB                    |      |      |      |       |       |       |       |       |       |       |     |       |                       |
| CALM                    |      |      |      |       |       |       |       |       |       |       |     |       |                       |
|                         | 12.6 | 29.7 | 24.0 | 27.4  | 5.7   | .6    |       |       |       |       |     | 100.0 | 8.6                   |

TOTAL NUMBER OF OBSERVATIONS 175

2  
GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

00002 MAUI OPTICAL SITE HI SOUTH TOWER 78-79  
STATION STATION NAME YEARS  
ALL WEATHER  
CLASS  
CONDITION  
JUN  
MONTH  
1800-2000  
HOURS (L.S.T.)

| SPEED<br>(KNTS)<br>DIR. | 1 - 3 | 4 - 6 | 7 - 10 | 11 - 16 | 17 - 21 | 22 - 27 | 28 - 33 | 34 - 40 | 41 - 47 | 48 - 55 | ≥ 56 | %     | MEAN<br>WIND<br>SPEED |
|-------------------------|-------|-------|--------|---------|---------|---------|---------|---------|---------|---------|------|-------|-----------------------|
| N                       | .6    | 1.7   | 5.7    | 2.3     | 3.4     |         |         |         |         |         |      | 13.6  | 11.2                  |
| NNE                     | .6    | .6    | 4.0    | 7.4     | .6      |         |         |         |         |         |      | 13.1  | 11.0                  |
| NE                      |       | 2.3   | 3.4    | 1.1     |         |         |         |         |         |         |      | 6.8   | 7.3                   |
| ENE                     | .6    | 2.3   |        | .6      |         |         |         |         |         |         |      | 3.4   | 5.5                   |
| E                       | .6    | 1.7   | 1.1    |         |         |         |         |         |         |         |      | 3.4   | 5.7                   |
| ESE                     | .6    | 1.1   | 1.7    | 2.3     |         |         |         |         |         |         |      | 5.7   | 8.6                   |
| SE                      | .6    | 2.3   | 4.0    | 10.2    |         |         |         |         |         |         |      | 17.0  | 10.3                  |
| SSE                     | .6    | .6    | 1.1    | 2.3     | 4.0     | 2.8     |         |         |         |         |      | 11.4  | 16.7                  |
| S                       | .6    | 1.7   |        | .6      | 1.7     | .6      |         |         |         |         |      | 5.1   | 12.7                  |
| SSW                     | .6    |       |        |         |         |         |         |         |         |         |      | .6    | 2.0                   |
| SW                      | .6    | .6    |        |         |         |         |         |         |         |         |      | 1.1   | 4.5                   |
| WSW                     | 1.1   | 1.1   |        |         |         |         |         |         |         |         |      | 2.3   | 3.3                   |
| W                       | 1.1   | 1.1   |        |         |         |         |         |         |         |         |      | 2.3   | 4.3                   |
| WNW                     | 1.1   | .6    | .6     |         |         |         |         |         |         |         |      | 2.3   | 5.0                   |
| NW                      | 1.7   | .6    | 1.1    |         | .6      |         |         |         |         |         |      | 4.0   | 6.7                   |
| NNW                     | .6    | 3.4   | .6     | 2.3     | 1.1     |         |         |         |         |         |      | 8.0   | 9.6                   |
| VARB                    |       |       |        |         |         |         |         |         |         |         |      |       |                       |
| CALM                    |       |       |        |         |         |         |         |         |         |         |      |       |                       |
|                         | 11.4  | 21.6  | 23.3   | 29.0    | 11.4    | 3.4     |         |         |         |         |      | 100.0 | 10.0                  |

TOTAL NUMBER OF OBSERVATIONS 176



GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

00002  
STATION

MAUI OPTICAL SITE HI SOUTH TOWER  
STATION NAME

78-79  
YEARS

JUN  
MONTH

ALL WEATHER  
CLASS

2100-2300  
HOURS (L.S.T.)

CONDITION

| SPEED<br>(KNTS)<br>DIR. | 1-3  | 4-6  | 7-10 | 11-16 | 17-21 | 22-27 | 28-33 | 34-40 | 41-47 | 48-55 | ≥56 | %     | MEAN<br>WIND<br>SPEED |
|-------------------------|------|------|------|-------|-------|-------|-------|-------|-------|-------|-----|-------|-----------------------|
| N                       |      | 1.7  | 2.8  | 2.8   | 1.7   | .6    | .6    |       |       |       |     | 10.2  | 13.0                  |
| NNE                     |      | 1.7  | 5.1  | 5.1   |       | .6    |       |       |       |       |     | 12.5  | 10.8                  |
| NE                      | 1.1  | 1.7  | 3.4  | 2.3   |       |       |       |       |       |       |     | 8.5   | 8.1                   |
| ENE                     |      | 1.7  | 2.3  | 2.8   |       |       |       |       |       |       |     | 6.8   | 8.8                   |
| E                       | 1.1  | 1.1  | 1.7  | .6    |       |       |       |       |       |       |     | 4.5   | 7.4                   |
| ESE                     |      |      | 1.1  | 3.4   |       |       |       |       |       |       |     | 4.5   | 12.3                  |
| SE                      |      | 1.1  | 5.1  | 5.1   | 1.1   |       |       |       |       |       |     | 12.5  | 11.0                  |
| SSE                     |      | 1.1  | 2.8  | 2.3   | 2.8   | 2.8   | .6    |       |       |       |     | 12.5  | 15.8                  |
| S                       | 1.7  | 2.3  | .6   | 4.0   |       |       |       |       |       |       |     | 8.5   | 8.3                   |
| SSW                     | 1.1  |      |      |       |       |       |       |       |       |       |     | 1.1   | 3.0                   |
| SW                      | 2.3  | 1.1  |      |       |       |       |       |       |       |       |     | 3.4   | 3.2                   |
| WSW                     | 1.1  |      |      |       |       |       |       |       |       |       |     | 1.1   | 1.5                   |
| W                       | 2.3  | .6   | 1.1  |       |       |       |       |       |       |       |     | 4.0   | 4.6                   |
| WNW                     | .6   | .6   | .6   |       |       |       |       |       |       |       |     | 1.7   | 5.0                   |
| NW                      | .6   | .6   |      |       | 1.7   |       |       |       |       |       |     | 2.8   | 12.4                  |
| NNW                     | 1.1  | .6   | 1.7  | 1.1   | .6    |       |       |       |       |       |     | 5.1   | 8.9                   |
| VARBL                   |      |      |      |       |       |       |       |       |       |       |     |       |                       |
| CALM                    |      |      |      |       |       |       |       |       |       |       |     |       |                       |
|                         | 13.1 | 15.9 | 28.4 | 29.5  | 8.0   | 4.0   | 1.1   |       |       |       |     | 100.0 | 10.2                  |

TOTAL NUMBER OF OBSERVATIONS

176

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

# SURFACE WINDS

## PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

00002  
STATION

MAUI OPTICAL SITE HI SOUTH TOWER  
STATION NAME

78-79  
YEARS

JUN  
MONTH

ALL WEATHER  
CLASS

ALL

HOURS (L.S.Y.)

CONDITION

| SPEED<br>(KNTS)<br>DIR. | 1 - 3 | 4 - 6 | 7 - 10 | 11 - 16 | 17 - 21 | 22 - 27 | 28 - 33 | 34 - 40 | 41 - 47 | 48 - 55 | ≥ 56 | %     | MEAN<br>WIND<br>SPEED |
|-------------------------|-------|-------|--------|---------|---------|---------|---------|---------|---------|---------|------|-------|-----------------------|
| N                       | .7    | 1.2   | 2.0    | 2.8     | 1.6     | .3      | .1      |         |         |         |      | 8.7   | 11.6                  |
| NNE                     | .5    | 1.6   | 4.1    | 5.1     | .6      | .2      |         |         |         |         |      | 12.2  | 10.5                  |
| NE                      | .7    | 1.6   | 2.9    | 2.1     | .4      | .1      |         |         |         |         |      | 7.8   | 9.1                   |
| ENE                     | .6    | 1.4   | .9     | .8      | .1      | .1      |         |         |         |         |      | 3.9   | 7.7                   |
| E                       | .9    | 2.0   | 1.2    | .3      | .1      |         |         |         |         |         |      | 4.4   | 6.1                   |
| ESE                     | .5    | 1.9   | 1.6    | 1.9     | .1      |         |         |         |         |         |      | 6.0   | 8.4                   |
| SE                      | .7    | 2.0   | 3.0    | 4.1     | .7      |         |         |         |         |         |      | 10.5  | 9.9                   |
| SSE                     | .4    | 1.1   | 1.9    | 4.1     | 3.2     | 1.4     | .1      |         |         |         |      | 12.1  | 14.4                  |
| S                       | 1.1   | 1.4   | 1.3    | 2.6     | 2.1     | .2      |         |         |         |         |      | 8.8   | 11.4                  |
| SSW                     | 1.1   | 1.3   | .3     | .2      |         | .1      |         |         |         |         |      | 2.9   | 5.4                   |
| SW                      | 1.1   | .8    | .1     |         |         |         |         |         |         |         |      | 2.1   | 3.8                   |
| WSW                     | 1.1   | .7    | .1     |         |         |         |         |         |         |         |      | 1.9   | 3.4                   |
| W                       | 1.5   | 1.2   | .9     |         |         |         |         |         |         |         |      | 3.6   | 4.6                   |
| WNW                     | 1.1   | 1.4   | .6     | .2      | .1      |         |         |         |         |         |      | 3.4   | 5.6                   |
| NW                      | 1.1   | 1.4   | .9     | .4      | .6      | .3      |         |         |         |         |      | 4.7   | 8.4                   |
| NNW                     | 1.2   | 1.7   | 2.1    | 1.2     | .6      | .1      |         |         |         |         |      | 7.0   | 8.5                   |
| VARBL                   |       |       |        |         |         |         |         |         |         |         |      |       |                       |
| CALM                    |       |       |        |         |         |         |         |         |         |         |      |       |                       |
|                         | 14.4  | 22.8  | 23.9   | 25.9    | 10.1    | 2.8     | .2      |         |         |         |      | 100.0 | 9.5                   |

TOTAL NUMBER OF OBSERVATIONS

1402

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

# SURFACE WINDS

## PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

00002  
STATION

MAUI OPTICAL SITE HI SOUTH TOWER  
STATION NAME

78-79  
YEARS

JUL  
MONTH

ALL WEATHER  
CLASS

0000-0200  
HOURS (L.S.T.)

CONDITION

| SPEED<br>(KNTS)<br>DIR. | 1-3 | 4-6  | 7-10 | 11-16 | 17-21 | 22-27 | 28-33 | 34-40 | 41-47 | 48-55 | ≥56 | %     | MEAN<br>WIND<br>SPEED |
|-------------------------|-----|------|------|-------|-------|-------|-------|-------|-------|-------|-----|-------|-----------------------|
| N                       | .6  | 1.8  |      |       | 1.8   | 2.4   |       |       |       |       |     | 6.6   | 16.0                  |
| NNE                     |     | 1.8  | 1.8  | 3.6   |       |       |       |       |       |       |     | 7.2   | 10.6                  |
| NE                      |     | 2.4  | 1.8  | 3.6   | 1.2   | .6    |       |       |       |       |     | 9.6   | 11.3                  |
| ENE                     |     | 1.2  | 2.4  | .6    | .6    |       |       |       |       |       |     | 4.8   | 9.5                   |
| E                       |     | 3.0  | 1.8  |       |       |       |       |       |       |       |     | 4.8   | 6.4                   |
| ESE                     | .6  | 1.8  | 3.0  |       |       |       |       |       |       |       |     | 5.4   | 6.6                   |
| SE                      | .6  | 1.8  | 9.0  | 6.6   | 1.8   |       |       |       |       |       |     | 19.9  | 10.6                  |
| SSE                     |     | .6   | 3.6  | 9.0   | 2.4   | .6    |       |       |       |       |     | 16.3  | 12.6                  |
| S                       |     | 2.4  | 2.4  | 1.8   | .6    |       |       |       |       |       |     | 7.2   | 8.8                   |
| SSW                     |     | 1.2  |      | .6    |       |       |       |       |       |       |     | 1.8   | 7.3                   |
| SW                      | .6  | 1.2  |      |       |       |       |       |       |       |       |     | 1.8   | 3.7                   |
| WSW                     |     | 1.2  |      |       |       |       |       |       |       |       |     | 1.2   | 5.0                   |
| W                       |     | .6   |      |       |       |       |       |       |       |       |     | .6    | 5.0                   |
| WNW                     |     | .6   | .6   |       | .6    |       |       |       |       |       |     | 1.8   | 11.7                  |
| NW                      |     |      | 1.8  | .6    | 1.2   | .6    | .6    | .6    |       |       |     | 5.4   | 18.0                  |
| NNW                     | .6  |      | .6   | 2.4   | 1.8   |       |       |       |       |       |     | 5.4   | 13.9                  |
| VABDL                   |     |      |      |       |       |       |       |       |       |       |     |       |                       |
| CALM                    |     |      |      |       |       |       |       |       |       |       |     |       |                       |
|                         | 3.0 | 21.7 | 28.9 | 28.9  | 12.0  | 4.2   | .6    | .6    |       |       |     | 100.0 | 11.1                  |

TOTAL NUMBER OF OBSERVATIONS 166

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

00002  
STATION

MAUI OPTICAL SITE HI SOUTH TOWER  
STATION NAME

78-79  
YEARS

JUL  
MONTH

ALL WEATHER  
CLASS

0300-0500  
HOURS (L.S.T.)

CONDITION

| SPEED<br>(KNTS)<br>DIR. | 1 - 3 | 4 - 6 | 7 - 10 | 11 - 16 | 17 - 21 | 22 - 27 | 28 - 33 | 34 - 40 | 41 - 47 | 48 - 55 | ≥ 56 | %     | MEAN<br>WIND<br>SPEED |
|-------------------------|-------|-------|--------|---------|---------|---------|---------|---------|---------|---------|------|-------|-----------------------|
| N                       |       | .6    | .6     | 2.4     | .6      |         |         |         |         |         |      | 4.1   | 12.9                  |
| NNE                     | .6    | 1.2   | 1.2    | 2.4     | .6      |         |         |         |         |         |      | 5.9   | 10.6                  |
| NE                      |       |       | 2.4    | 3.6     | 1.2     |         |         |         |         |         |      | 7.1   | 12.7                  |
| ENE                     | 1.2   | .6    | 3.0    | 1.8     | .6      |         |         |         |         |         |      | 7.1   | 9.8                   |
| E                       |       | 1.8   | 3.0    | .6      |         |         |         |         |         |         |      | 5.3   | 6.9                   |
| ESE                     |       | 2.4   | 3.0    | 1.2     | .6      |         |         |         |         |         |      | 7.1   | 9.2                   |
| SE                      |       | 3.0   | 10.7   | 8.3     | .6      |         |         |         |         |         |      | 22.5  | 10.2                  |
| SSE                     | .6    | .6    | 2.4    | 4.1     | 1.2     | 1.2     | .6      |         |         |         |      | 10.7  | 13.6                  |
| S                       |       | .6    | 4.1    | 4.1     |         |         |         |         |         |         |      | 8.9   | 10.4                  |
| SSW                     |       |       | .6     |         | .6      |         |         |         |         |         |      | 1.2   | 14.0                  |
| SW                      |       | .6    |        |         | .6      |         |         |         |         |         |      | 1.2   | 11.0                  |
| WSW                     |       | 1.2   |        |         |         |         |         |         |         |         |      | 1.2   | 4.0                   |
| W                       |       | 1.2   |        |         |         |         |         |         |         |         |      | 1.2   | 4.0                   |
| WNW                     |       | 1.2   | .6     |         |         |         |         |         |         |         |      | 1.8   | 6.7                   |
| NW                      | .6    |       | 1.8    | 1.2     | 3.6     | 1.2     |         |         |         |         |      | 8.3   | 15.9                  |
| NNW                     |       | .6    | .6     | 1.2     | 1.8     | 1.2     | 1.2     |         |         |         |      | 6.5   | 18.7                  |
| VARBL                   |       |       |        |         |         |         |         |         |         |         |      |       |                       |
| CALM                    |       |       |        |         |         |         |         |         |         |         |      |       |                       |
|                         | 3.0   | 15.4  | 33.7   | 30.8    | 11.8    | 3.6     | 1.8     |         |         |         |      | 100.0 | 11.5                  |

TOTAL NUMBER OF OBSERVATIONS

169

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

# SURFACE WINDS

## PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

00002 MAUI OPTICAL SITE HI SOUTH TOWER 78-79  
STATION STATION NAME YEARS  
ALL WEATHER  
CLASS  
CONDITION  
JUL  
MONTH  
0600-0800  
HOURS (L.S.T.)

| SPEED<br>(KNTS)<br>DIR. | 1 - 3 | 4 - 6 | 7 - 10 | 11 - 16 | 17 - 21 | 22 - 27 | 28 - 33 | 34 - 40 | 41 - 47 | 48 - 55 | ≥ 56 | %     | MEAN<br>WIND<br>SPEED |
|-------------------------|-------|-------|--------|---------|---------|---------|---------|---------|---------|---------|------|-------|-----------------------|
| N                       | .6    | .6    | .6     | 1.2     | 1.2     | .6      |         |         |         |         |      | 4.8   | 12.6                  |
| NNE                     |       | 1.2   | 1.2    | 1.8     | .6      | .6      |         |         |         |         |      | 5.4   | 12.8                  |
| NE                      |       |       |        | 5.4     | 1.8     |         |         |         |         |         |      | 7.2   | 14.7                  |
| ENE                     |       |       | 1.2    | .6      |         |         |         |         |         |         |      | 1.8   | 11.3                  |
| E                       |       | 2.4   | 3.0    | 2.4     |         |         |         |         |         |         |      | 7.8   | 8.6                   |
| ESE                     |       | 2.4   | 4.2    | 1.2     |         |         |         |         |         |         |      | 7.8   | 8.2                   |
| SE                      |       | 4.2   | 8.4    | 8.4     | .6      | .6      |         |         |         |         |      | 22.2  | 10.0                  |
| SSE                     | .6    | 2.4   | 2.4    | 1.2     | 3.6     | 2.4     |         |         |         |         |      | 12.6  | 13.4                  |
| S                       | .6    |       | .6     | 2.4     | 1.2     |         |         |         |         |         |      | 4.8   | 12.5                  |
| SSW                     | .6    | 1.2   |        | 1.2     |         |         |         |         |         |         |      | 3.0   | 8.2                   |
| SW                      |       |       |        |         |         |         |         |         |         |         |      |       |                       |
| WSW                     | 1.2   | 1.2   |        |         |         |         |         |         |         |         |      | 2.4   | 3.8                   |
| W                       | .6    | 2.4   | 1.2    |         |         |         |         |         |         |         |      | 4.2   | 5.4                   |
| WNW                     |       | .6    | .6     |         |         |         |         |         |         |         |      | 1.2   | 8.0                   |
| NW                      | .6    |       | 1.2    | 1.2     |         | 1.2     |         |         |         |         |      | 4.2   | 13.3                  |
| NNW                     |       | 1.8   | 1.2    | 3.0     | 3.6     | 1.2     |         |         |         |         |      | 10.8  | 14.6                  |
| VARBL                   |       |       |        |         |         |         |         |         |         |         |      |       |                       |
| CALM                    |       |       |        |         |         |         |         |         |         |         |      |       |                       |
|                         | 4.8   | 20.4  | 25.7   | 29.9    | 12.6    | 6.6     |         |         |         |         |      | 100.0 | 11.1                  |

TOTAL NUMBER OF OBSERVATIONS 167

2  
GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

00002 MAUI OPTICAL SITE HI SOUTH TOWER 78-79 JUL  
STATION STATION NAME YEARS MONTH  
ALL WEATHER  
CLASS  
CONDITION  
0900-1100  
HOURS (L.S.T.)

| SPEED<br>(KNTS)<br>DIR. | 1 - 3 | 4 - 6 | 7 - 10 | 11 - 16 | 17 - 21 | 22 - 27 | 28 - 33 | 34 - 40 | 41 - 47 | 48 - 55 | ≥ 56 | %     | MEAN<br>WIND<br>SPEED |
|-------------------------|-------|-------|--------|---------|---------|---------|---------|---------|---------|---------|------|-------|-----------------------|
| N                       |       | .6    | 1.8    | 1.8     | .6      | .6      |         |         |         |         |      | 5.4   | 13.0                  |
| NNE                     | 1.2   | .6    | 1.2    | 3.6     | .6      |         |         |         |         |         |      | 7.1   | 10.5                  |
| NE                      | .6    | 1.2   | 1.2    | 1.8     | .6      |         |         |         |         |         |      | 5.4   | 10.2                  |
| ENE                     |       |       | 2.4    |         |         |         |         |         |         |         |      | 2.4   | 9.0                   |
| E                       | .6    | .6    | 3.6    | 1.8     |         |         |         |         |         |         |      | 6.5   | 8.5                   |
| ESE                     |       | 1.8   | 4.8    | 1.8     | 1.2     |         |         |         |         |         |      | 9.5   | 10.1                  |
| SE                      | 1.2   | 1.2   | 7.7    | 6.0     | 1.2     | .6      |         |         |         |         |      | 17.9  | 10.5                  |
| SSE                     |       | 1.2   | 1.2    | 4.8     | .6      | 3.0     |         |         |         |         |      | 10.7  | 14.7                  |
| S                       |       | 2.4   | 2.4    | 1.2     | 1.2     |         |         |         |         |         |      | 7.1   | 10.3                  |
| SSW                     |       | .6    | .6     |         |         |         |         |         |         |         |      | 1.2   | 8.0                   |
| SW                      |       | 2.4   | .6     |         |         |         |         |         |         |         |      | 3.0   | 5.2                   |
| WSW                     | 2.4   | 1.8   |        |         |         |         |         |         |         |         |      | 4.2   | 3.3                   |
| W                       | 1.2   | .6    |        |         |         |         |         |         |         |         |      | 1.8   | 2.3                   |
| WNW                     | 1.2   | 1.8   | .6     |         |         |         |         |         |         |         |      | 3.6   | 5.0                   |
| NW                      | .6    | .6    | 1.2    | .6      | .6      | .6      |         |         |         |         |      | 4.2   | 11.1                  |
| NNW                     | .6    | 1.2   |        | 3.0     | 4.8     | .6      |         |         |         |         |      | 10.1  | 15.3                  |
| VARBL                   |       |       |        |         |         |         |         |         |         |         |      |       |                       |
| CALM                    |       |       |        |         |         |         |         |         |         |         |      |       |                       |
|                         | 9.5   | 18.5  | 29.2   | 26.2    | 11.3    | 5.4     |         |         |         |         |      | 100.0 | 10.5                  |

TOTAL NUMBER OF OBSERVATIONS 168

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

# SURFACE WINDS

## PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

00002  
STATION

MAUI OPTICAL SITE HI SOUTH TOWER  
STATION NAME

78-79  
YEARS

JUL  
MONTH

ALL WEATHER  
CLASS

1200-1400  
HOURS (L.S.T.)

CONDITION

| SPEED<br>(KNTS)<br>DIR. | 1-3  | 4-6  | 7-10 | 11-16 | 17-21 | 22-27 | 28-33 | 34-40 | 41-47 | 48-55 | ≥56 | %     | MEAN<br>WIND<br>SPEED |
|-------------------------|------|------|------|-------|-------|-------|-------|-------|-------|-------|-----|-------|-----------------------|
| N                       | 1.2  | 1.2  | 1.7  | 2.9   | 1.2   | .6    | .6    |       |       |       |     | 9.2   | 12.6                  |
| NNE                     |      |      | 2.9  | 2.3   | 2.9   |       |       |       |       |       |     | 8.1   | 13.5                  |
| NE                      | 1.2  | .6   | 1.2  | 1.2   | 1.2   |       |       |       |       |       |     | 5.2   | 11.1                  |
| ENE                     |      | 1.7  |      |       | .6    |       |       |       |       |       |     | 2.3   | 8.0                   |
| E                       |      | 1.2  | .6   |       |       |       |       |       |       |       |     | 1.7   | 6.0                   |
| ESE                     | .6   | 1.7  | 3.5  | 2.3   |       |       |       |       |       |       |     | 8.1   | 8.1                   |
| SE                      | 1.7  | 2.9  | 4.6  | 5.8   | 4.0   |       |       |       |       |       |     | 19.1  | 10.8                  |
| SSE                     | 1.2  | .6   | 2.9  | 2.9   | 1.7   | 1.2   |       | 1.2   |       |       |     | 11.6  | 14.5                  |
| S                       | 1.2  | 2.9  | 1.7  | 1.7   | 1.2   |       |       |       |       |       |     | 8.7   | 8.6                   |
| SSW                     |      | 2.3  | 1.2  | .6    |       |       |       |       |       |       |     | 4.0   | 7.4                   |
| SW                      | 1.2  | 1.2  | .6   |       |       |       |       |       |       |       |     | 2.9   | 4.8                   |
| WSW                     | .6   | 1.2  |      |       |       |       |       |       |       |       |     | 1.7   | 3.7                   |
| W                       | 1.2  | 1.7  |      | .6    |       |       |       |       |       |       |     | 3.5   | 6.2                   |
| WNW                     | .6   | 1.7  |      |       |       |       |       |       |       |       |     | 2.3   | 4.0                   |
| NW                      | .6   | .6   | 1.2  | 2.9   |       |       |       |       |       |       |     | 5.2   | 10.4                  |
| NNW                     | .6   | .6   | 1.7  | 1.2   | 1.7   | .6    |       |       |       |       |     | 6.4   | 13.2                  |
| VARBL                   |      |      |      |       |       |       |       |       |       |       |     |       |                       |
| CALM                    |      |      |      |       |       |       |       |       |       |       |     |       |                       |
|                         | 11.6 | 22.0 | 23.7 | 24.3  | 14.5  | 2.3   | .6    | 1.2   |       |       |     | 100.0 | 10.5                  |

TOTAL NUMBER OF OBSERVATIONS

173

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

## SURFACE WINDS

### PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

00002 MAUI OPTICAL SITE HI SOUTH TOWER 78-79 JUL  
STATION STATION NAME YEARS MONTH  
ALL WEATHER 1500-1700  
CLASS HOURS (L.S.T.)  
CONDITION

| SPEED<br>(KNTS)<br>DIR. | 1 - 3 | 4 - 6 | 7 - 10 | 11 - 16 | 17 - 21 | 22 - 27 | 28 - 33 | 34 - 40 | 41 - 47 | 48 - 55 | ≥ 56 | %     | MEAN<br>WIND<br>SPEED |
|-------------------------|-------|-------|--------|---------|---------|---------|---------|---------|---------|---------|------|-------|-----------------------|
| N                       | .6    | 1.7   | 1.7    | 2.9     | 1.2     | .6      |         |         |         |         |      | 8.7   | 11.6                  |
| NNE                     |       | 2.3   | 1.2    | 3.5     | 1.2     |         |         |         |         |         |      | 8.1   | 10.6                  |
| NE                      | .6    | 1.2   | 2.3    | .6      | 1.2     |         |         |         |         |         |      | 5.8   | 9.3                   |
| ENE                     | 1.2   | .6    | 1.7    |         | .6      |         |         |         |         |         |      | 4.0   | 7.4                   |
| E                       | 1.2   | 2.3   | 1.7    |         |         |         |         |         |         |         |      | 5.2   | 5.4                   |
| ESE                     | .6    | 2.9   | 1.7    | .6      |         |         |         |         |         |         |      | 5.8   | 6.9                   |
| SE                      | 1.2   | 1.2   | 3.5    | 3.5     | 4.0     | 1.2     |         |         |         |         |      | 14.5  | 13.2                  |
| SSE                     | .6    | 1.2   | 4.0    | 5.2     |         |         | .6      |         |         |         |      | 11.6  | 10.6                  |
| S                       | .6    | 2.9   | 2.3    | .6      |         |         | 1.2     |         |         |         |      | 7.5   | 10.5                  |
| SSW                     | .6    | 1.2   | .6     | .6      | .6      |         |         |         |         |         |      | 3.5   | 8.7                   |
| SW                      | .6    |       | .6     |         |         |         |         |         |         |         |      | 1.2   | 4.5                   |
| WSW                     | 1.2   | 1.2   | 1.2    |         |         |         |         |         |         |         |      | 3.5   | 4.5                   |
| W                       | 1.2   | 2.3   | .6     |         |         |         |         |         |         |         |      | 4.0   | 4.7                   |
| WNW                     |       | .6    |        |         |         |         |         |         |         |         |      | .6    | 4.0                   |
| NW                      |       | 1.2   |        | 2.3     | 1.2     | .6      |         |         |         |         |      | 5.2   | 14.0                  |
| NNW                     | .6    |       | 1.7    | 4.6     | 3.5     | .6      |         |         |         |         |      | 11.0  | 14.5                  |
| VARBL                   |       |       |        |         |         |         |         |         |         |         |      |       |                       |
| CALM                    |       |       |        |         |         |         |         |         |         |         |      |       |                       |
|                         | 10.4  | 22.5  | 24.9   | 24.3    | 13.3    | 2.9     | 1.7     |         |         |         |      | 100.0 | 10.3                  |

TOTAL NUMBER OF OBSERVATIONS 173



GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

# SURFACE WINDS

## PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

00002 MAUI OPTICAL SITE HI SOUTH TOWER 78-79  
STATION STATION NAME YEARS  
ALL WEATHER  
CLASS  
CONDITION  
JUL  
MONTH  
1800-2000  
HOURS (L.S.T.)

| SPEED<br>(KNTS)<br>DIR | 1-3 | 4-6  | 7-10 | 11-16 | 17-21 | 22-27 | 28-33 | 34-40 | 41-47 | 48-53 | ≥54 | %     | MEAN<br>WIND<br>SPEED |
|------------------------|-----|------|------|-------|-------|-------|-------|-------|-------|-------|-----|-------|-----------------------|
| N                      | .6  | 1.2  | 1.2  | 2.9   | 1.2   |       |       |       |       |       |     | 7.0   | 11.4                  |
| NNE                    | 1.2 | 1.2  | .6   | 2.9   | 1.2   |       |       |       |       |       |     | 7.0   | 10.0                  |
| NE                     | 1.2 | 1.7  | 2.9  | 2.9   | 1.7   | .6    |       |       |       |       |     | 11.0  | 12.2                  |
| ENE                    |     | 2.3  | 1.2  | 1.2   |       |       |       |       |       |       |     | 4.7   | 8.1                   |
| E                      |     | 1.7  | 2.3  | .6    |       |       |       |       |       |       |     | 4.7   | 8.3                   |
| ESE                    |     | .6   | 1.7  | 2.3   |       |       |       |       |       |       |     | 4.7   | 10.5                  |
| SE                     | .6  | 4.1  | 4.7  | 7.0   | 1.2   |       |       |       |       |       |     | 17.4  | 10.4                  |
| SSE                    | .6  | 2.3  | 1.7  | 5.8   | .6    | 1.2   |       |       |       |       |     | 12.2  | 11.6                  |
| S                      | .6  | 1.7  | 4.1  | 1.7   | .6    |       |       |       |       |       |     | 8.7   | 8.9                   |
| SSW                    | .6  | 1.7  |      |       |       |       |       |       |       |       |     | 2.3   | 4.8                   |
| SW                     |     | 1.2  |      |       |       |       |       |       |       |       |     | 1.2   | 6.0                   |
| WSW                    |     | .6   |      | .6    |       |       |       |       |       |       |     | 1.2   | 8.5                   |
| W                      | .6  | .6   |      |       |       |       |       |       |       |       |     | 1.2   | 4.0                   |
| WNW                    |     | 1.2  | 1.2  |       |       |       |       |       |       |       |     | 2.3   | 6.8                   |
| NW                     | 1.2 | .6   | .6   | .6    |       |       |       |       |       |       |     | 2.9   | 5.8                   |
| NNW                    |     | .6   | 1.7  | 2.9   | 2.9   | 2.3   | 1.2   |       |       |       |     | 11.6  | 17.7                  |
| VARB                   |     |      |      |       |       |       |       |       |       |       |     |       |                       |
| CALM                   |     |      |      |       |       |       |       |       |       |       |     |       |                       |
|                        | 7.0 | 23.3 | 23.8 | 31.4  | 9.3   | 4.1   | 1.2   |       |       |       |     | 100.0 | 10.8                  |

TOTAL NUMBER OF OBSERVATIONS 172

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

# SURFACE WINDS

## PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

00002  
STATION

MAUI OPTICAL SITE HI SOUTH TOWER  
STATION NAME

78-79  
YEARS

JUL  
MONTH

ALL WEATHER  
CLASS

2100-2300  
HOURS (L.S.T.)

CONDITION

| SPEED<br>(KNTS)<br>DIR. | 1-3 | 4-6  | 7-10 | 11-16 | 17-21 | 22-27 | 28-33 | 34-40 | 41-47 | 48-55 | ≥56 | %     | MEAN<br>WIND<br>SPEED |
|-------------------------|-----|------|------|-------|-------|-------|-------|-------|-------|-------|-----|-------|-----------------------|
| N                       | .6  | .6   | .6   | 1.2   | .6    |       |       |       |       |       |     | 3.5   | 10.5                  |
| NNE                     |     | 1.2  | .6   | 6.4   | 1.2   |       |       |       |       |       |     | 9.4   | 13.3                  |
| NE                      | .6  | 2.9  | 1.8  | 2.3   | 2.9   |       |       |       |       |       |     | 10.5  | 10.8                  |
| ENE                     |     | .6   | 3.5  | 2.3   |       |       |       |       |       |       |     | 6.4   | 9.2                   |
| E                       |     |      | .6   | 1.8   |       |       |       |       |       |       |     | 2.3   | 12.5                  |
| ESE                     |     | .6   | 7.0  | .6    |       |       |       |       |       |       |     | 8.2   | 8.9                   |
| SE                      | .6  | 4.7  | 6.4  | 12.9  |       | 1.2   |       |       |       |       |     | 25.7  | 10.5                  |
| SSE                     |     | 1.2  | 2.9  | 4.7   | .6    | .6    |       |       |       |       |     | 9.9   | 12.5                  |
| S                       |     |      | 1.8  | 2.9   |       | .6    |       | .6    |       |       |     | 5.8   | 14.5                  |
| SSW                     |     | 1.2  |      |       |       |       |       |       |       |       |     | 1.2   | 5.0                   |
| SW                      | .6  |      | .6   |       |       |       |       |       |       |       |     | 1.2   | 5.0                   |
| WSW                     |     |      |      |       |       |       |       |       |       |       |     |       |                       |
| W                       |     | .6   |      |       |       |       |       |       |       |       |     | .6    | 4.0                   |
| WNW                     |     | .6   |      |       |       |       |       |       |       |       |     | .6    | 6.0                   |
| NW                      |     | 1.2  | 1.8  |       | 1.2   |       |       |       |       |       |     | 4.1   | 10.3                  |
| NNW                     |     | 1.2  | 1.2  | 3.5   | 2.3   | 1.8   | .6    |       |       |       |     | 10.5  | 15.3                  |
| VARB                    |     |      |      |       |       |       |       |       |       |       |     |       |                       |
| CALM                    |     |      |      |       |       |       |       |       |       |       |     |       |                       |
|                         | 2.3 | 16.4 | 28.7 | 38.6  | 8.8   | 4.1   | .6    | .6    |       |       |     | 100.0 | 11.4                  |

TOTAL NUMBER OF OBSERVATIONS

171

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

# SURFACE WINDS

## PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

00002

STATION

MAUI OPTICAL SITE HI SOUTH TOWER

STATION NAME

78-79

YEARS

JUL

MONTH

ALL WEATHER

CLASS

ALL

HOURS (L.S.T.)

CONDITION

| SPEED<br>(KNTS)<br>DIR. | 1-3 | 4-6  | 7-10 | 11-16 | 17-21 | 22-27 | 28-33 | 34-40 | 41-47 | 48-55 | ≥56 | %     | MEAN<br>WIND<br>SPEED |
|-------------------------|-----|------|------|-------|-------|-------|-------|-------|-------|-------|-----|-------|-----------------------|
| N                       | .5  | 1.0  | 1.0  | 1.9   | 1.0   | .6    | .1    |       |       |       |     | 6.2   | 12.6                  |
| NNE                     | .4  | 1.2  | 1.3  | 3.3   | 1.0   | .1    |       |       |       |       |     | 7.3   | 11.5                  |
| NE                      | .5  | 1.3  | 1.7  | 2.6   | 1.5   | .1    |       |       |       |       |     | 7.7   | 11.6                  |
| ENE                     | .3  | .9   | 1.9  | .8    | .3    |       |       |       |       |       |     | 4.2   | 9.0                   |
| E                       | .2  | 1.6  | 2.1  | .9    |       |       |       |       |       |       |     | 4.8   | 7.7                   |
| ESE                     | .2  | 1.8  | 3.6  | 1.3   | .2    |       |       |       |       |       |     | 7.1   | 8.6                   |
| SE                      | .7  | 2.9  | 6.8  | 7.3   | 1.7   | .4    |       |       |       |       |     | 19.9  | 10.7                  |
| SSE                     | .4  | 1.3  | 2.6  | 4.7   | 1.3   | 1.3   | .1    | .1    |       |       |     | 11.9  | 12.9                  |
| S                       | .4  | 1.6  | 2.4  | 2.1   | .6    | .1    | .1    | .1    |       |       |     | 7.4   | 10.3                  |
| SSW                     | .2  | 1.2  | .4   | .4    | .1    |       |       |       |       |       |     | 2.3   | 7.7                   |
| SW                      | .4  | .8   | .3   |       | .1    |       |       |       |       |       |     | 1.5   | 5.4                   |
| WSW                     | .7  | 1.0  | .1   | .1    |       |       |       |       |       |       |     | 1.9   | 4.3                   |
| W                       | .6  | 1.3  | .2   | .1    |       |       |       |       |       |       |     | 2.1   | 4.8                   |
| WNW                     | .2  | 1.0  | .4   |       | .1    |       |       |       |       |       |     | 1.8   | 6.4                   |
| NW                      | .4  | .5   | 1.2  | 1.2   | 1.0   | .5    | .1    | .1    |       |       |     | 4.9   | 13.1                  |
| NNW                     | .3  | .7   | 1.1  | 2.7   | 2.8   | 1.0   | .4    |       |       |       |     | 9.1   | 15.5                  |
| VARBL                   |     |      |      |       |       |       |       |       |       |       |     |       |                       |
| CALM                    |     |      |      |       |       |       |       |       |       |       |     |       |                       |
|                         | 6.5 | 20.0 | 27.3 | 29.3  | 11.7  | 4.1   | .8    | .3    |       |       |     | 100.0 | 10.9                  |

TOTAL NUMBER OF OBSERVATIONS

1359

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

# SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)

00002 MAUI OPTICAL SITE HI SOUTH TOWER 78-79  
STATION STATION NAME YEARS  
ALL WEATHER  
CLASS  
CONDITION  
AUG  
MONTH  
0000-0200  
HOURS (L.S.T.)

| SPEED<br>(KNTS)<br>DIR. | 1-3  | 4-6  | 7-10 | 11-16 | 17-21 | 22-27 | 28-33 | 34-40 | 41-47 | 48-53 | ≥56 | %     | MEAN<br>WIND<br>SPEED |
|-------------------------|------|------|------|-------|-------|-------|-------|-------|-------|-------|-----|-------|-----------------------|
| N                       |      | 2.3  |      |       |       |       |       |       |       |       |     | 2.3   | 5.3                   |
| NNE                     |      | .6   | 1.2  |       |       |       |       |       |       |       |     | 1.7   | 7.0                   |
| NE                      | .6   | 2.3  | 2.3  | .6    |       | .6    |       |       |       |       |     | 6.4   | 8.5                   |
| ENE                     | .6   | 4.0  | 2.9  | 9.2   | 2.3   | 1.7   |       |       |       |       |     | 20.8  | 12.0                  |
| E                       | .6   | 3.5  | 5.2  | 4.6   | .6    |       |       |       |       |       |     | 14.5  | 8.8                   |
| ESE                     | 1.7  | 3.5  | 6.4  | 4.0   | .6    |       |       |       |       |       |     | 16.2  | 8.6                   |
| SE                      | 1.7  | 2.9  | 2.9  | 4.0   | 1.7   |       |       |       |       |       |     | 13.3  | 10.3                  |
| SSE                     | 1.7  | 1.7  | 1.7  | 1.2   | 1.2   | 1.2   |       |       |       |       |     | 8.7   | 10.1                  |
| S                       | 1.7  | .6   | 1.7  |       | .6    |       |       |       |       |       |     | 4.6   | 7.4                   |
| SSW                     | 1.7  |      | 1.7  |       |       |       |       |       |       |       |     | 3.5   | 5.2                   |
| SW                      | .6   | 1.2  | 2.3  |       |       |       |       |       |       |       |     | 4.0   | 6.3                   |
| WSW                     |      |      |      |       |       |       |       |       |       |       |     |       |                       |
| W                       | 1.7  |      |      | 1.7   |       |       |       |       |       |       |     | 3.5   | 7.5                   |
| WNW                     | .6   |      |      |       |       |       |       |       |       |       |     | .6    | 2.0                   |
| NW                      |      |      |      |       |       |       |       |       |       |       |     |       |                       |
| NNW                     |      |      |      |       |       |       |       |       |       |       |     |       |                       |
| VARBL                   |      |      |      |       |       |       |       |       |       |       |     |       |                       |
| CALM                    |      |      |      |       |       |       |       |       |       |       |     |       |                       |
|                         | 13.3 | 22.5 | 28.3 | 25.4  | 6.9   | 3.5   |       |       |       |       |     | 100.0 | 9.2                   |

TOTAL NUMBER OF OBSERVATIONS 173

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

## SURFACE WINDS

### PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

00002 STATION MAUI OPTICAL SITE HI SOUTH TOWER 78-79 YEARS  
ALL WEATHER CLASS  
CONDITION  
AUG MONTH 0300-0500 HOURS (L.S.T.)

| SPEED (KNTS) DIR. | 1-3  | 4-6  | 7-10 | 11-16 | 17-21 | 22-27 | 28-33 | 34-40 | 41-47 | 48-55 | ≥56 | %     | MEAN WIND SPEED |
|-------------------|------|------|------|-------|-------|-------|-------|-------|-------|-------|-----|-------|-----------------|
| N                 | .6   | .6   | .6   |       |       |       |       |       |       |       |     | 1.7   | 5.0             |
| NNE               | 1.1  | 1.7  | 1.1  | 1.7   |       |       |       |       |       |       |     | 5.7   | 7.6             |
| NE                | .6   | .6   | 2.9  | 1.1   |       |       |       |       |       |       |     | 5.2   | 7.8             |
| ENE               | .6   | 2.9  | 6.9  | 4.0   | 2.3   | 1.7   |       |       |       |       |     | 18.4  | 11.7            |
| E                 | .6   | 1.1  | 7.5  | 2.9   | 1.1   |       |       |       |       |       |     | 13.2  | 9.5             |
| ESE               | 1.7  | .6   | 4.0  | 3.4   |       |       |       |       |       |       |     | 9.8   | 9.2             |
| SE                | 1.7  | 5.2  | 5.2  | 5.7   | 1.1   |       |       |       |       |       |     | 19.0  | 9.3             |
| SSE               | .6   | .6   | 1.7  | .6    | 1.7   |       |       |       |       |       |     | 5.2   | 11.6            |
| S                 | 1.1  | 1.7  | 2.3  |       |       |       |       |       |       |       |     | 5.2   | 5.8             |
| SSW               | 1.1  | 1.1  | 1.7  |       |       |       |       |       |       |       |     | 4.0   | 5.1             |
| SW                | .6   |      | .6   | 1.1   |       |       |       |       |       |       |     | 2.3   | 10.3            |
| WSW               | 3.4  |      |      |       |       |       |       |       |       |       |     | 3.4   | 2.2             |
| W                 | 1.7  | .6   |      | 1.1   |       |       |       |       |       |       |     | 3.4   | 5.5             |
| WNW               |      |      |      | .6    |       |       |       |       |       |       |     | .6    | 12.0            |
| NW                |      |      |      |       |       |       |       |       |       |       |     |       |                 |
| NNW               | 1.7  | .6   |      | .6    |       |       |       |       |       |       |     | 2.9   | 5.0             |
| VARBL             |      |      |      |       |       |       |       |       |       |       |     |       |                 |
| CALM              |      |      |      |       |       |       |       |       |       |       |     |       |                 |
|                   | 17.2 | 17.7 | 34.5 | 23.0  | 6.3   | 1.7   |       |       |       |       |     | 100.0 | 8.8             |

TOTAL NUMBER OF OBSERVATIONS 174

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

# SURFACE WINDS

## PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

00002 MAUI OPTICAL SITE HI SOUTH TOWER 78-79  
STATION STATION NAME YEARS  
ALL WEATHER  
CLASS  
CONDITION  
AUG  
MONTH  
0600-0800  
HOURS [L.S.T.]

| SPEED<br>(KNTS)<br>DIR. | 1 - 3 | 4 - 6 | 7 - 10 | 11 - 16 | 17 - 21 | 22 - 27 | 28 - 33 | 34 - 40 | 41 - 47 | 48 - 55 | ≥ 56 | %     | MEAN<br>WIND<br>SPEED |
|-------------------------|-------|-------|--------|---------|---------|---------|---------|---------|---------|---------|------|-------|-----------------------|
| N                       |       | .6    |        | 1.1     |         |         |         |         |         |         |      | 1.7   | 9.3                   |
| NNE                     |       | 1.1   | .6     |         | .6      |         |         |         |         |         |      | 2.3   | 8.5                   |
| NE                      | .6    | 2.3   | 2.3    | .6      |         | .6      |         |         |         |         |      | 6.3   | 8.3                   |
| ENE                     | .6    | 1.7   | 5.7    | 8.6     | 1.7     |         | .6      |         |         |         |      | 19.0  | 11.7                  |
| E                       | .6    | 1.7   | 8.6    | 6.9     | .6      |         |         |         |         |         |      | 18.4  | 9.9                   |
| ESE                     | 3.4   | 4.0   | 2.3    | 4.6     | 2.3     |         |         |         |         |         |      | 16.7  | 9.1                   |
| SE                      | 1.7   | 2.9   | 1.1    | 1.7     | 2.3     | .6      |         |         |         |         |      | 10.3  | 10.0                  |
| SSE                     | 1.1   | .6    |        | 1.1     | .6      |         |         |         |         |         |      | 3.4   | 9.2                   |
| S                       | 2.3   | 1.1   |        | .6      |         |         |         |         |         |         |      | 4.0   | 5.0                   |
| SSW                     | 2.3   |       |        |         |         |         |         |         |         |         |      | 2.3   | 2.0                   |
| SW                      | 1.1   | 1.7   |        |         |         |         |         |         |         |         |      | 2.9   | 4.4                   |
| WSW                     | 2.3   |       | .6     | 1.7     |         |         |         |         |         |         |      | 4.6   | 7.9                   |
| W                       | 1.1   | .6    | .6     |         |         |         |         |         |         |         |      | 2.3   | 5.3                   |
| WNW                     | 2.9   | 1.7   |        | .6      |         |         |         |         |         |         |      | 5.2   | 4.3                   |
| NW                      | .6    |       |        |         |         |         |         |         |         |         |      | .6    | 2.0                   |
| NNW                     |       |       |        |         |         |         |         |         |         |         |      |       |                       |
| VARBL                   |       |       |        |         |         |         |         |         |         |         |      |       |                       |
| CALM                    |       |       |        |         |         |         |         |         |         |         |      |       |                       |
|                         | 20.7  | 20.1  | 21.8   | 27.6    | 8.0     | 1.1     | .6      |         |         |         |      | 100.0 | 8.9                   |

TOTAL NUMBER OF OBSERVATIONS 174

2  
GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

00002 MAUI OPTICAL SITE HI SOUTH TOWER 78-79  
STATION STATION NAME YEARS  
ALL WEATHER  
CLASS  
CONDITION  
AUG  
MONTH  
0900-1100  
HOURS (L.S.T.)

| SPEED<br>(KNTS)<br>DIR. | 1 - 3 | 4 - 6 | 7 - 10 | 11 - 16 | 17 - 21 | 22 - 27 | 28 - 33 | 34 - 40 | 41 - 47 | 48 - 55 | ≥ 56 | %     | MEAN<br>WIND<br>SPEED |
|-------------------------|-------|-------|--------|---------|---------|---------|---------|---------|---------|---------|------|-------|-----------------------|
| N                       | 1.2   |       | .6     |         | .6      |         |         |         |         |         |      | 2.3   | 7.5                   |
| NNE                     | .6    | .6    | 1.7    | .6      |         |         |         |         |         |         |      | 3.5   | 7.0                   |
| NE                      | .6    | 4.1   | 1.7    | 1.2     |         |         |         |         |         |         |      | 7.6   | 6.5                   |
| ENE                     | .6    | 1.7   | 5.8    | 5.8     | 2.3     |         | 1.2     | .6      |         |         |      | 18.0  | 13.1                  |
| E                       | 1.2   | 2.3   | 3.5    | 5.2     | 2.9     | .6      |         |         |         |         |      | 15.7  | 11.3                  |
| ESE                     | .6    | 1.2   | .6     | 2.3     | 1.2     | .6      |         |         |         |         |      | 6.4   | 12.5                  |
| SE                      | 1.2   | 2.9   | .6     | 2.9     | 1.7     | 2.9     |         |         |         |         |      | 12.2  | 13.1                  |
| SSE                     | .6    | 2.3   | .6     | 1.2     |         |         |         |         |         |         |      | 4.7   | 7.3                   |
| S                       | .6    | 1.2   | 1.7    | 1.2     | .6      |         |         |         |         |         |      | 5.2   | 9.1                   |
| SSW                     | 2.3   | 4.1   |        | .6      |         |         |         |         |         |         |      | 7.0   | 4.5                   |
| SW                      | 1.7   | 1.2   |        |         |         |         |         |         |         |         |      | 2.9   | 3.8                   |
| WSW                     | .6    | 1.2   | 1.2    | .6      |         |         |         |         |         |         |      | 3.5   | 6.2                   |
| W                       | 1.2   | 1.2   | .6     | .6      |         |         |         |         |         |         |      | 3.5   | 5.7                   |
| WNW                     | 2.9   | .6    | 1.2    |         |         |         |         |         |         |         |      | 4.7   | 4.4                   |
| NW                      | 1.2   |       |        |         |         |         |         |         |         |         |      | 1.2   | 3.0                   |
| NNW                     |       | 1.7   |        |         |         |         |         |         |         |         |      | 1.7   | 4.3                   |
| VARBL                   |       |       |        |         |         |         |         |         |         |         |      |       |                       |
| CALM                    |       |       |        |         |         |         |         |         |         |         |      |       |                       |
|                         | 16.9  | 26.2  | 19.8   | 22.1    | 9.3     | 4.1     | 1.2     | .6      |         |         |      | 100.0 | 9.4                   |

TOTAL NUMBER OF OBSERVATIONS 172

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

0002 MAUI OPTICAL SITE HI SOUTH TOWER 78-79  
STATION STATION NAME YEARS  
ALL WEATHER  
CLASS  
CONDITION  
AUG  
MONTH  
1200-1400  
HOURS (L.S.T.)

| SPEED<br>(KNTS)<br>DIR. | 1 - 3 | 4 - 6 | 7 - 10 | 11 - 16 | 17 - 21 | 22 - 27 | 28 - 33 | 34 - 40 | 41 - 47 | 48 - 55 | ≥ 56 | %     | MEAN<br>WIND<br>SPEED |
|-------------------------|-------|-------|--------|---------|---------|---------|---------|---------|---------|---------|------|-------|-----------------------|
| N                       |       | 1.7   | .6     |         |         |         |         |         |         |         |      | 2.3   | 5.5                   |
| NNE                     |       | 2.3   |        | .6      |         |         |         |         |         |         |      | 2.9   | 6.4                   |
| NE                      | .6    | 1.7   | 3.4    | 1.1     |         |         | .6      |         |         |         |      | 7.4   | 9.5                   |
| ENE                     | 1.7   | 2.9   | 4.6    | 4.0     | 2.3     | .6      |         |         |         |         |      | 16.0  | 10.4                  |
| E                       | 1.1   | 1.1   | 5.7    | 2.3     | 2.3     |         |         |         |         |         |      | 12.6  | 10.3                  |
| ESE                     | .6    |       | 1.1    | 4.0     | 1.1     | .6      |         |         |         |         |      | 7.4   | 13.8                  |
| SE                      | .6    | 2.3   | .6     | 1.1     | 1.1     | 1.1     |         |         |         |         |      | 6.9   | 11.3                  |
| SSE                     | 1.7   | 4.0   | 1.1    | 1.1     |         | .6      |         |         |         |         |      | 8.6   | 7.7                   |
| S                       | .6    | 2.9   | 2.9    | 2.3     |         | .6      |         |         |         |         |      | 9.1   | 9.0                   |
| SSW                     | 1.1   | 2.3   | 1.1    | 1.1     |         |         |         |         |         |         |      | 5.7   | 6.6                   |
| SW                      | 1.1   | 1.1   | .6     |         |         |         |         |         |         |         |      | 2.9   | 4.2                   |
| WSW                     | 2.3   | 1.1   | 1.7    |         |         |         |         |         |         |         |      | 5.1   | 4.7                   |
| W                       | 2.9   | 1.7   | 1.1    | .6      |         |         |         |         |         |         |      | 6.3   | 4.9                   |
| WNW                     | 1.7   | 1.1   | .6     |         |         |         |         |         |         |         |      | 3.4   | 4.3                   |
| NW                      | .6    | .6    | .6     | .6      |         |         |         |         |         |         |      | 2.3   | 7.0                   |
| NNW                     |       | .6    | .6     |         |         |         |         |         |         |         |      | 1.1   | 7.0                   |
| VARBL                   |       |       |        |         |         |         |         |         |         |         |      |       |                       |
| CALM                    |       |       |        |         |         |         |         |         |         |         |      |       |                       |
|                         | 16.6  | 27.4  | 26.3   | 18.9    | 6.9     | 3.4     | .6      |         |         |         |      | 100.0 | 8.7                   |

TOTAL NUMBER OF OBSERVATIONS 175



GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

## SURFACE WINDS

### PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

00002 MAUI OPTICAL SITE HI SOUTH TOWER 78-79  
STATION STATION NAME YEARS  
ALL WEATHER  
CLASS  
CONDITION  
AUG  
MONTH  
1500-1700  
HOURS (L.S.T.)

| SPEED<br>(KNTS)<br>DIR. | 1 - 3 | 4 - 6 | 7 - 10 | 11 - 16 | 17 - 21 | 22 - 27 | 28 - 33 | 34 - 40 | 41 - 47 | 48 - 55 | ≥ 56 | %     | MEAN<br>WIND<br>SPEED |
|-------------------------|-------|-------|--------|---------|---------|---------|---------|---------|---------|---------|------|-------|-----------------------|
| N                       | .6    | 2.4   | 1.2    |         |         |         |         |         |         |         |      | 4.1   | 5.6                   |
| NNE                     |       | 1.2   | .6     |         |         |         |         |         |         |         |      | 1.8   | 5.3                   |
| NE                      |       | 2.4   | 4.7    | 1.2     |         |         |         |         |         |         |      | 8.3   | 8.4                   |
| ENE                     | 1.2   | 4.1   | 6.5    | 1.8     |         | 1.2     | .6      |         |         |         |      | 15.4  | 10.2                  |
| E                       | 1.2   | 3.0   | 3.0    | 1.8     | 1.2     | 1.2     |         |         |         |         |      | 11.2  | 10.3                  |
| ESE                     | .6    | 1.8   | 2.4    | 3.6     | 1.2     |         | .6      |         |         |         |      | 10.1  | 11.7                  |
| SE                      | .6    | 1.8   | 2.4    | .6      | 1.2     | 1.2     |         |         |         |         |      | 7.7   | 11.8                  |
| SSE                     |       | .6    | .6     | 3.0     |         | .6      |         |         |         |         |      | 4.7   | 12.9                  |
| S                       | .6    | 4.1   | 1.2    | .6      | 1.2     | .6      |         |         |         |         |      | 8.3   | 8.7                   |
| SSW                     | 2.4   | 4.1   | 1.8    | .6      |         |         |         |         |         |         |      | 8.9   | 5.9                   |
| SW                      | 2.4   | 3.0   |        | .6      |         |         |         |         |         |         |      | 5.9   | 5.0                   |
| WSW                     |       | 3.0   |        | .6      | .6      |         |         |         |         |         |      | 4.1   | 7.7                   |
| W                       |       | 1.2   | .6     | 1.2     |         |         |         |         |         |         |      | 3.0   | 8.2                   |
| WNW                     | .6    | 3.0   |        |         |         |         |         |         |         |         |      | 3.6   | 4.5                   |
| NW                      | .6    | 1.2   |        |         |         |         |         |         |         |         |      | 1.8   | 4.3                   |
| NNW                     | 1.2   |       |        |         |         |         |         |         |         |         |      | 1.2   | 3.0                   |
| VARBL                   |       |       |        |         |         |         |         |         |         |         |      |       |                       |
| CALM                    |       |       |        |         |         |         |         |         |         |         |      |       |                       |
|                         | 11.8  | 36.7  | 24.9   | 15.4    | 5.3     | 4.7     | 1.2     |         |         |         |      | 100.0 | 8.8                   |

TOTAL NUMBER OF OBSERVATIONS 169

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

## SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)

00002  
STATION

MAUI OPTICAL SITE HI SOUTH TOWER  
STATION NAME

78-79  
YEARS

AUG  
MONTH

ALL WEATHER  
CLASS

1800-2000  
HOURS (L.S.T.)

CONDITION

| SPEED<br>(KNTS)<br>DIR. | 1 - 3 | 4 - 6 | 7 - 10 | 11 - 16 | 17 - 21 | 22 - 27 | 28 - 33 | 34 - 40 | 41 - 47 | 48 - 55 | ≥ 56 | %     | MEAN<br>WIND<br>SPEED |
|-------------------------|-------|-------|--------|---------|---------|---------|---------|---------|---------|---------|------|-------|-----------------------|
| N                       |       | .6    | 1.2    |         |         |         |         |         |         |         |      | 1.8   | 7.3                   |
| NNE                     | 1.8   | 1.8   | 1.8    | .6      |         |         |         |         |         |         |      | 5.8   | 5.7                   |
| NE                      | .6    | 1.2   | 5.8    | 1.2     | .6      |         |         |         |         |         |      | 9.4   | 9.0                   |
| ENE                     | 1.2   | 2.9   | 7.0    | 7.0     | 1.8     | .6      | 1.2     |         |         |         |      | 21.6  | 11.8                  |
| E                       |       | 1.2   | 2.9    | 3.5     | 1.2     |         |         |         |         |         |      | 8.8   | 10.8                  |
| ESE                     | .6    | 2.9   | 3.5    | 3.5     | .6      | .6      |         |         |         |         |      | 11.7  | 10.4                  |
| SE                      | 1.2   | 2.3   | 4.1    | 1.8     | 1.8     | 1.2     |         |         |         |         |      | 12.3  | 11.4                  |
| SSE                     | 1.2   |       | 2.3    | 1.8     |         |         |         |         |         |         |      | 5.3   | 8.8                   |
| S                       | 1.2   | .6    | 1.8    | .6      | .6      | 1.2     |         |         |         |         |      | 5.8   | 10.9                  |
| SSW                     | .6    | 2.3   |        |         | .6      |         |         |         |         |         |      | 3.5   | 6.2                   |
| SW                      | 1.8   | 2.3   | 1.2    | .6      |         |         |         |         |         |         |      | 5.8   | 5.4                   |
| WSW                     | 1.2   |       | 1.2    |         |         |         |         |         |         |         |      | 2.3   | 4.5                   |
| W                       | 1.8   |       | 1.2    | .6      |         |         |         |         |         |         |      | 3.5   | 5.2                   |
| WNW                     | .6    |       |        |         |         |         |         |         |         |         |      | .6    | 2.0                   |
| NW                      | .6    | .6    |        |         |         |         |         |         |         |         |      | 1.2   | 4.0                   |
| NNW                     |       | .6    |        |         |         |         |         |         |         |         |      | .6    | 5.0                   |
| VARBL                   |       |       |        |         |         |         |         |         |         |         |      |       |                       |
| CALM                    |       |       |        |         |         |         |         |         |         |         |      |       |                       |
|                         | 14.0  | 19.3  | 33.9   | 21.1    | 7.0     | 3.5     | 1.2     |         |         |         |      | 100.0 | 9.4                   |

TOTAL NUMBER OF OBSERVATIONS 171

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

## SURFACE WINDS

### PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

00002 MAUI OPTICAL SITE HI SOUTH TOWER 78-79  
STATION STATION NAME YEARS  
ALL WEATHER  
CLASS  
CONDITION  
AUG  
MONTH  
2100-2300  
HOURS (L.S.T.)

| SPEED<br>(KNTS)<br>DIR. | 1 - 3 | 4 - 6 | 7 - 10 | 11 - 16 | 17 - 21 | 22 - 27 | 28 - 33 | 34 - 40 | 41 - 47 | 48 - 55 | ≥ 56 | %     | MEAN<br>WIND<br>SPEED |
|-------------------------|-------|-------|--------|---------|---------|---------|---------|---------|---------|---------|------|-------|-----------------------|
| N                       | 1.2   | 1.2   |        |         |         |         |         |         |         |         |      | 2.3   | 4.3                   |
| NNE                     |       | .6    | 1.8    | .6      |         |         |         |         |         |         |      | 2.9   | 8.4                   |
| NE                      |       | 2.3   | 1.8    | .6      | 1.8     |         |         |         |         |         |      | 6.4   | 10.5                  |
| ENE                     |       | 2.9   | 4.7    | 9.9     | 1.8     | 1.8     | .6      |         |         |         |      | 21.6  | 13.2                  |
| E                       | .6    | 2.3   | 3.5    | 7.0     |         |         |         |         |         |         |      | 13.5  | 9.6                   |
| ESE                     |       | 1.8   | 4.1    | 5.3     | 2.9     | .6      |         |         |         |         |      | 14.6  | 12.5                  |
| SE                      | .6    | 1.8   | 4.1    | 1.8     | 2.3     | 1.2     |         |         |         |         |      | 11.7  | 12.1                  |
| SSE                     | 1.2   | 1.2   | 1.8    | 3.5     | .6      | .6      |         |         |         |         |      | 8.8   | 11.1                  |
| S                       | .6    | .6    | 1.8    |         | 1.2     |         |         |         |         |         |      | 4.1   | 9.3                   |
| SSW                     | 1.2   | 1.8   | .6     |         |         |         |         |         |         |         |      | 3.5   | 4.3                   |
| SW                      | 1.8   | 1.8   | 1.2    |         |         |         |         |         |         |         |      | 4.7   | 4.6                   |
| WSW                     | .6    |       |        |         |         |         |         |         |         |         |      | .6    | 1.0                   |
| W                       |       | .6    | .6     | 1.8     |         |         |         |         |         |         |      | 2.9   | 10.4                  |
| WNW                     | 1.2   |       |        |         |         |         |         |         |         |         |      | 1.2   | 2.0                   |
| NW                      | .6    |       |        |         |         |         |         |         |         |         |      | .6    | 2.0                   |
| NNW                     | .6    |       |        |         |         |         |         |         |         |         |      | .6    | 3.0                   |
| VARBL                   |       |       |        |         |         |         |         |         |         |         |      |       |                       |
| CALM                    |       |       |        |         |         |         |         |         |         |         |      |       |                       |
|                         | 9.9   | 18.7  | 25.7   | 30.4    | 10.5    | 4.1     | .6      |         |         |         |      | 100.0 | 10.5                  |

TOTAL NUMBER OF OBSERVATIONS 171

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

# SURFACE WINDS

## PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

00002  
STATION

MAUI OPTICAL SITE HI SOUTH TOWER  
STATION NAME

78-79  
YEARS

AUG  
MONTH

ALL WEATHER  
CLASS

ALL  
HOURS (L.S.T.)

CONDITION

| SPEED<br>(KNTS)<br>DIR. | 1 - 3 | 4 - 6 | 7 - 10 | 11 - 16 | 17 - 21 | 22 - 27 | 28 - 33 | 34 - 40 | 41 - 47 | 48 - 55 | ≥ 56 | %     | MEAN<br>WIND<br>SPEED |
|-------------------------|-------|-------|--------|---------|---------|---------|---------|---------|---------|---------|------|-------|-----------------------|
| N                       | .4    | 1.2   | .5     | .1      | .1      |         |         |         |         |         |      | 2.3   | 6.1                   |
| NNE                     | .4    | 1.2   | 1.1    | .5      | .1      |         |         |         |         |         |      | 3.3   | 7.0                   |
| NE                      | .4    | 2.1   | 3.1    | .9      | .3      | .1      | .1      |         |         |         |      | 7.1   | 8.6                   |
| ENE                     | .8    | 2.9   | 5.5    | 6.3     | 1.8     | .9      | .5      | .1      |         |         |      | 18.9  | 11.8                  |
| E                       | .7    | 2.0   | 5.0    | 4.3     | 1.2     | .2      |         |         |         |         |      | 13.5  | 10.0                  |
| ESE                     | 1.2   | 2.0   | 3.0    | 3.8     | 1.2     | .3      | .1      |         |         |         |      | 11.6  | 10.6                  |
| SE                      | 1.2   | 2.8   | 2.6    | 2.5     | 1.7     | 1.0     |         |         |         |         |      | 11.7  | 11.0                  |
| SSE                     | 1.0   | 1.4   | 1.2    | 1.7     | .5      | .4      |         |         |         |         |      | 6.2   | 9.8                   |
| S                       | 1.1   | 1.6   | 1.7    | .7      | .5      | .3      |         |         |         |         |      | 5.8   | 8.4                   |
| SSW                     | 1.6   | 2.0   | .9     | .3      | .1      |         |         |         |         |         |      | 4.8   | 5.3                   |
| SW                      | 1.4   | 1.5   | .7     | .3      |         |         |         |         |         |         |      | 3.9   | 5.3                   |
| WSW                     | 1.3   | .7    | .6     | .4      | .1      |         |         |         |         |         |      | 3.0   | 5.6                   |
| W                       | 1.3   | .7    | .6     | .9      |         |         |         |         |         |         |      | 3.6   | 6.3                   |
| WNW                     | 1.3   | .8    | .2     | .1      |         |         |         |         |         |         |      | 2.5   | 4.3                   |
| NW                      | .5    | .3    | .1     | .1      |         |         |         |         |         |         |      | .9    | 4.5                   |
| NNW                     | .4    | .4    | .1     | .1      |         |         |         |         |         |         |      | 1.0   | 4.7                   |
| VARBL                   |       |       |        |         |         |         |         |         |         |         |      |       |                       |
| CALM                    |       |       |        |         |         |         |         |         |         |         |      |       |                       |
|                         | 15.1  | 23.5  | 26.9   | 23.0    | 7.5     | 3.3     | .7      | .1      |         |         |      | 100.0 | 9.2                   |

TOTAL NUMBER OF OBSERVATIONS

1379

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

00002 MAUI OPTICAL SITE HI SOUTH TOWER 78-79  
STATION STATION NAME YEARS  
ALL WEATHER  
CLASS  
CONDITION  
SEP  
MONTH  
0000-0200  
HOURS (L.S.T.)

| SPEED<br>(KNTS)<br>DIR. | 1 - 3 | 4 - 6 | 7 - 10 | 11 - 16 | 17 - 21 | 22 - 27 | 28 - 33 | 34 - 40 | 41 - 47 | 48 - 53 | ≥ 54 | %     | MEAN<br>WIND<br>SPEED |
|-------------------------|-------|-------|--------|---------|---------|---------|---------|---------|---------|---------|------|-------|-----------------------|
| N                       | .6    | .6    |        |         |         |         |         |         |         |         |      | 1.2   | 3.5                   |
| NNE                     |       | .6    | 3.0    | 1.8     | .6      |         |         |         |         |         |      | 6.0   | 11.0                  |
| NE                      | .6    | .6    | 3.0    | 6.6     | 5.4     | .6      |         |         |         |         |      | 16.9  | 13.9                  |
| ENE                     | .6    | 3.0   | 6.6    | 13.9    | 10.2    | 2.4     |         |         |         |         |      | 36.7  | 14.1                  |
| E                       |       | .6    | 4.2    | 8.4     | 6.6     | .6      |         |         |         |         |      | 20.5  | 14.1                  |
| ESE                     |       |       | 3.0    | 3.0     | .6      |         |         |         |         |         |      | 6.6   | 11.6                  |
| SE                      | .6    | .6    | 1.2    | 1.2     | .6      | .6      |         |         |         |         |      | 4.8   | 11.8                  |
| SSE                     |       |       |        |         |         |         |         |         |         |         |      |       |                       |
| S                       | .6    | .6    |        |         |         |         |         |         |         |         |      | 1.2   | 4.5                   |
| SSW                     |       | .6    | 1.2    |         |         |         |         |         |         |         |      | 1.2   | 6.7                   |
| SW                      | .6    |       |        |         |         |         |         |         |         |         |      | .6    | 1.0                   |
| WSW                     | .6    |       | .6     |         |         |         |         |         |         |         |      | 1.2   | 4.5                   |
| W                       |       |       |        |         |         |         |         |         |         |         |      |       |                       |
| WNW                     | .6    |       |        |         |         |         |         |         |         |         |      | .6    | 3.0                   |
| NW                      |       | .6    |        |         |         |         |         |         |         |         |      | .6    | 5.0                   |
| NNW                     | 1.2   |       |        |         |         |         |         |         |         |         |      | 1.2   | 2.0                   |
| VARBL                   |       |       |        |         |         |         |         |         |         |         |      |       |                       |
| CALM                    |       |       |        |         |         |         |         |         |         |         |      |       |                       |
|                         | 6.0   | 7.8   | 22.9   | 34.9    | 24.1    | 4.2     |         |         |         |         |      | 100.0 | 12.8                  |

TOTAL NUMBER OF OBSERVATIONS 166

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

# SURFACE WINDS

## PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

00002  
STATION

MAUI OPTICAL SITE HI SOUTH TOWER  
STATION NAME

78-79  
YEARS

SEP  
MONTH

ALL WEATHER  
CLASS

0300-0500  
HOURS (L.S.T.)

CONDITION

| SPEED<br>(KNTS)<br>DIR. | 1 - 3 | 4 - 6 | 7 - 10 | 11 - 16 | 17 - 21 | 22 - 27 | 28 - 33 | 34 - 40 | 41 - 47 | 48 - 53 | ≥ 54 | %     | MEAN<br>WIND<br>SPEED |
|-------------------------|-------|-------|--------|---------|---------|---------|---------|---------|---------|---------|------|-------|-----------------------|
| N                       |       |       | 1.2    | .6      |         |         |         |         |         |         |      | 1.8   | 9.7                   |
| NNE                     |       | 1.8   | 2.4    | .6      | 1.2     |         |         |         |         |         |      | 6.0   | 10.5                  |
| NE                      |       | .6    | 4.2    | 7.1     | 4.8     | .6      |         |         |         |         |      | 17.3  | 13.4                  |
| ENE                     |       | 4.8   | 9.5    | 10.7    | 8.9     |         |         |         |         |         |      | 33.9  | 12.3                  |
| E                       |       | 1.2   | 7.1    | 10.1    | 3.6     |         |         |         |         |         |      | 22.0  | 12.0                  |
| ESE                     | .6    | 1.8   | 1.8    | 3.0     | .6      |         |         |         |         |         |      | 7.7   | 9.8                   |
| SE                      |       | .6    |        | 2.4     |         |         |         |         |         |         |      | 3.0   | 11.6                  |
| SSE                     |       | .6    | 1.2    |         |         |         |         |         |         |         |      | 1.8   | 6.3                   |
| S                       |       | .6    |        |         |         |         |         |         |         |         |      | .6    | 6.0                   |
| SSW                     | .6    | .6    |        |         |         |         |         |         |         |         |      | 1.2   | 3.0                   |
| SW                      |       | 1.2   |        |         |         |         |         |         |         |         |      | 1.2   | 4.5                   |
| WSW                     | .6    |       |        |         |         |         |         |         |         |         |      | .6    | 1.0                   |
| W                       |       | 1.2   |        |         |         |         |         |         |         |         |      | 1.2   | 5.0                   |
| WNW                     |       |       | .6     |         |         |         |         |         |         |         |      | .6    | 10.0                  |
| NW                      |       | .6    | .6     |         |         |         |         |         |         |         |      | 1.2   | 6.0                   |
| NNW                     |       |       |        |         |         |         |         |         |         |         |      |       |                       |
| VARBL                   |       |       |        |         |         |         |         |         |         |         |      |       |                       |
| CALM                    |       |       |        |         |         |         |         |         |         |         |      |       |                       |
|                         | 1.8   | 15.5  | 28.6   | 34.5    | 19.0    | .6      |         |         |         |         |      | 100.0 | 11.4                  |

TOTAL NUMBER OF OBSERVATIONS

168

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

## SURFACE WINDS

### PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

0002 MAUI OPTICAL SITE HI SOUTH TOWER 78-79  
STATION STATION NAME YEARS

ALL WEATHER  
CLASS

SEP  
MONTH

0600-0800  
HOURS (L.S.T.)

CONDITION

| SPEED<br>(KNTS)<br>DIR. | 1 - 3 | 4 - 6 | 7 - 10 | 11 - 16 | 17 - 21 | 22 - 27 | 28 - 33 | 34 - 40 | 41 - 47 | 48 - 53 | ≥ 54 | %     | MEAN<br>WIND<br>SPEED |
|-------------------------|-------|-------|--------|---------|---------|---------|---------|---------|---------|---------|------|-------|-----------------------|
| N                       | .6    | .6    | 1.2    |         |         |         |         |         |         |         |      | 2.4   | 5.8                   |
| NNE                     | .6    | 1.2   | 1.6    | 3.6     |         | .6      |         |         |         |         |      | 9.6   | 10.4                  |
| NE                      |       | 2.4   | 4.2    | 5.4     | 4.8     | 1.2     |         |         |         |         |      | 18.1  | 13.1                  |
| ENE                     |       | 1.8   | 10.2   | 15.1    | 8.4     | 1.2     |         |         |         |         |      | 36.7  | 13.1                  |
| E                       |       | 1.2   | 3.0    | 7.8     | 3.6     | 1.8     |         |         |         |         |      | 17.5  | 13.8                  |
| ESE                     |       |       | 2.4    | 1.8     | 1.2     |         |         |         |         |         |      | 5.4   | 12.1                  |
| SE                      | .6    | 1.8   | 1.2    | 1.2     |         |         |         |         |         |         |      | 4.8   | 7.6                   |
| SSE                     | .6    | .6    |        |         |         |         |         |         |         |         |      | 1.2   | 3.5                   |
| S                       |       |       |        |         |         |         |         |         |         |         |      |       |                       |
| SSW                     | .6    |       |        |         |         |         |         |         |         |         |      | .6    | 2.0                   |
| SW                      |       |       |        |         |         |         |         |         |         |         |      |       |                       |
| WSW                     | .6    |       |        |         |         |         |         |         |         |         |      | .6    | 3.0                   |
| W                       | .6    |       |        |         |         |         |         |         |         |         |      | .6    | 3.0                   |
| WNW                     | 1.2   | .6    |        |         |         |         |         |         |         |         |      | 1.8   | 3.3                   |
| NW                      |       |       |        |         |         |         |         |         |         |         |      |       |                       |
| NNW                     |       | .6    |        |         |         |         |         |         |         |         |      | .6    | 3.0                   |
| VARBL                   |       |       |        |         |         |         |         |         |         |         |      |       |                       |
| CALM                    |       |       |        |         |         |         |         |         |         |         |      |       |                       |
|                         | 5.4   | 10.8  | 25.9   | 34.9    | 18.1    | 4.8     |         |         |         |         |      | 100.0 | 12.0                  |

TOTAL NUMBER OF OBSERVATIONS 166

2  
GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

00002 MAUI OPTICAL SITE HI SOUTH TOWER 78-79  
STATION STATION NAME YEARS  
ALL WEATHER  
CLASS  
CONDITION  
SEP  
MONTH  
0900-1100  
HOURS (L.S.T.)

| SPEED<br>(KNTS)<br>DIR. | 1 - 3 | 4 - 6 | 7 - 10 | 11 - 14 | 17 - 21 | 22 - 27 | 28 - 33 | 34 - 40 | 41 - 47 | 48 - 55 | ≥ 56 | %     | MEAN<br>WIND<br>SPEED |
|-------------------------|-------|-------|--------|---------|---------|---------|---------|---------|---------|---------|------|-------|-----------------------|
| N                       |       | 1.8   |        |         |         |         |         |         |         |         |      | 1.8   | 5.3                   |
| NNE                     | .6    | .6    | 1.8    | 4.2     | 1.8     | 1.2     |         |         |         |         |      | 10.2  | 13.4                  |
| NE                      |       | 1.2   | 3.0    | 7.8     | 2.4     | 1.2     |         |         |         |         |      | 15.6  | 13.2                  |
| ENE                     |       | 1.8   | 9.0    | 12.6    | 5.4     | 2.4     | .6      |         |         |         |      | 31.7  | 13.6                  |
| E                       | .6    | 1.2   | 2.4    | 6.0     | 4.2     | 1.8     |         |         |         |         |      | 16.2  | 14.1                  |
| ESE                     |       | .6    | 3.0    | 1.8     | 1.8     |         |         |         |         |         |      | 7.2   | 11.5                  |
| SE                      | .6    | .6    | 1.8    | .6      |         |         |         |         |         |         |      | 3.6   | 7.8                   |
| SSE                     | .6    | 1.2   |        |         |         |         |         |         |         |         |      | 1.8   | 4.3                   |
| S                       | 1.2   | 1.8   |        |         |         |         |         |         |         |         |      | 3.0   | 4.2                   |
| SSW                     | .6    |       |        |         |         |         |         |         |         |         |      | .6    | 2.0                   |
| SW                      |       | .6    |        |         |         |         |         |         |         |         |      | .6    | 5.0                   |
| WSW                     | .6    |       |        |         |         |         |         |         |         |         |      | .6    | 3.0                   |
| W                       | 1.2   | .6    |        |         |         |         |         |         |         |         |      | 1.8   | 3.3                   |
| WNW                     | .6    | 1.8   |        |         |         |         |         |         |         |         |      | 2.4   | 4.0                   |
| NW                      | 1.2   | 1.8   |        |         |         |         |         |         |         |         |      | 3.0   | 3.8                   |
| NNW                     |       |       |        |         |         |         |         |         |         |         |      |       |                       |
| VARBL                   |       |       |        |         |         |         |         |         |         |         |      |       |                       |
| CALM                    |       |       |        |         |         |         |         |         |         |         |      |       |                       |
|                         | 7.8   | 15.6  | 21.0   | 32.9    | 15.6    | 6.6     | .6      |         |         |         |      | 100.0 | 11.8                  |

TOTAL NUMBER OF OBSERVATIONS 167



GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

# SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)

00002 MAUI OPTICAL SITE HI SOUTH TOWER 78-79  
STATION STATION NAME YEARS  
ALL WEATHER  
CLASS  
CONDITION  
SEP  
MONTH  
1200-1400  
HOURS (L.S.T.)

| SPEED<br>(KNTS)<br>DIR. | 1 - 3 | 4 - 6 | 7 - 10 | 11 - 16 | 17 - 21 | 22 - 27 | 28 - 33 | 34 - 40 | 41 - 47 | 48 - 55 | ≥ 56 | %     | MEAN<br>WIND<br>SPEED |
|-------------------------|-------|-------|--------|---------|---------|---------|---------|---------|---------|---------|------|-------|-----------------------|
| N                       | .6    | 1.2   | 1.8    |         | .6      |         |         |         |         |         |      | 4.3   | 8.1                   |
| NNE                     | .6    | 1.2   | 2.4    | 4.9     | 1.2     | .6      |         |         |         |         |      | 11.0  | 11.1                  |
| NE                      |       | 2.4   | 9.1    | 3.7     | 3.0     | .6      |         |         |         |         |      | 18.9  | 10.9                  |
| ENE                     |       | 1.8   | 7.9    | 12.8    | 4.3     | 1.8     |         |         |         |         |      | 28.7  | 13.1                  |
| E                       |       | 1.2   | 4.3    | 4.9     | 2.4     |         |         |         |         |         |      | 12.8  | 12.2                  |
| ESE                     |       |       | 1.8    | 3.0     |         |         |         |         |         |         |      | 4.9   | 10.6                  |
| SE                      | .6    | .6    | 2.4    | 1.2     |         |         |         |         |         |         |      | 4.9   | 7.8                   |
| SSE                     |       | .6    | 1.2    |         |         |         |         |         |         |         |      | 1.8   | 7.3                   |
| S                       |       | 1.8   |        |         |         |         |         |         |         |         |      | 1.8   | 5.0                   |
| SSW                     |       |       |        |         |         |         |         |         |         |         |      |       |                       |
| SW                      |       | .6    |        |         |         |         |         |         |         |         |      | .6    | 4.0                   |
| WSW                     | 1.2   | .6    |        |         |         |         |         |         |         |         |      | 1.8   | 3.3                   |
| W                       | 1.8   | .6    |        |         |         |         |         |         |         |         |      | 2.4   | 3.3                   |
| WNW                     | 1.2   | .6    | .6     |         |         |         |         |         |         |         |      | 2.4   | 4.5                   |
| NW                      |       | 1.2   | 1.2    |         |         |         |         |         |         |         |      | 2.4   | 6.3                   |
| NNW                     | .6    | .6    |        |         |         |         |         |         |         |         |      | 1.2   | 4.0                   |
| VARBL                   |       |       |        |         |         |         |         |         |         |         |      |       |                       |
| CALM                    |       |       |        |         |         |         |         |         |         |         |      |       |                       |
|                         | 6.7   | 15.2  | 32.9   | 30.5    | 11.6    | 3.0     |         |         |         |         |      | 100.0 | 10.6                  |

TOTAL NUMBER OF OBSERVATIONS 164

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

## SURFACE WINDS

### PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

00002  
STATION

MAUI OPTICAL SITE HI SOUTH TOWER  
STATION NAME

78-79  
YEARS

SEP  
MONTH

ALL WEATHER  
CLASS

1500-1700  
HOURS (L.S.T.)

CONDITION

| SPEED<br>(KNTS)<br>DIR. | 1 - 3 | 4 - 6 | 7 - 10 | 11 - 16 | 17 - 21 | 22 - 27 | 28 - 33 | 34 - 40 | 41 - 47 | 48 - 53 | ≥ 56 | %     | MEAN<br>WIND<br>SPEED |
|-------------------------|-------|-------|--------|---------|---------|---------|---------|---------|---------|---------|------|-------|-----------------------|
| N                       |       | 3.7   | 3.6    | .6      |         |         |         |         |         |         |      | 7.2   | 7.7                   |
| NNE                     |       | 3.0   | 3.6    | 6.0     | 3.6     |         |         |         |         |         |      | 16.3  | 12.1                  |
| NE                      |       | .6    | 4.8    | 9.0     | 2.4     | 1.2     |         |         |         |         |      | 18.1  | 13.3                  |
| ENE                     | .6    | 1.2   | 9.6    | 14.5    | 2.4     | .6      | .6      |         |         |         |      | 29.5  | 12.1                  |
| E                       |       | 1.8   | 2.4    | 3.6     | 2.4     | 1.2     |         |         |         |         |      | 11.4  | 13.5                  |
| ESE                     | .6    | .6    | 1.8    | 1.8     |         |         |         |         |         |         |      | 4.8   | 8.8                   |
| SE                      | .6    |       | 1.2    |         |         |         |         |         |         |         |      | 1.8   | 6.0                   |
| SSE                     |       | 1.8   | .6     |         |         |         |         |         |         |         |      | 2.4   | 5.8                   |
| S                       | 1.8   |       |        |         |         |         |         |         |         |         |      | 1.8   | 2.3                   |
| SSW                     | .6    |       |        |         |         |         |         |         |         |         |      | .6    | 3.0                   |
| SW                      |       |       | .6     |         |         |         |         |         |         |         |      | .6    | 7.0                   |
| WSW                     |       |       | .6     |         |         |         |         |         |         |         |      | .6    | 7.0                   |
| W                       | .6    | .6    |        |         |         |         |         |         |         |         |      | 1.2   | 4.0                   |
| WNW                     | 1.2   | .6    |        |         |         |         |         |         |         |         |      | 1.8   | 3.0                   |
| NW                      |       | .6    |        |         |         |         |         |         |         |         |      | .6    | 5.0                   |
| NNW                     | .6    |       |        | .6      |         |         |         |         |         |         |      | 1.2   | 7.0                   |
| VARBL                   |       |       |        |         |         |         |         |         |         |         |      |       |                       |
| CALM                    |       |       |        |         |         |         |         |         |         |         |      |       |                       |
|                         | 6.6   | 13.9  | 28.9   | 36.1    | 10.8    | 3.0     | .6      |         |         |         |      | 100.0 | 11.1                  |

TOTAL NUMBER OF OBSERVATIONS

166

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

# SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)

00002 MAUI OPTICAL SITE HI SOUTH TOWER 78-79 SEP  
STATION STATION NAME YEARS MONTH  
ALL WEATHER  
CLASS  
CONDITION  
1800-2000  
HOURS (L.S.T.)

| SPEED<br>(KNTS)<br>DIR. | 1 - 3 | 4 - 6 | 7 - 10 | 11 - 16 | 17 - 21 | 22 - 27 | 28 - 33 | 34 - 40 | 41 - 47 | 48 - 55 | ≥ 56 | %     | MEAN<br>WIND<br>SPEED |
|-------------------------|-------|-------|--------|---------|---------|---------|---------|---------|---------|---------|------|-------|-----------------------|
| N                       |       | 1.2   | 2.4    | 1.8     |         |         |         |         |         |         |      | 5.4   | 9.3                   |
| NNE                     |       | .6    | 1.8    | 7.8     | 3.0     |         |         |         |         |         |      | 13.3  | 13.3                  |
| NE                      |       | 1.2   | 4.2    | 9.0     | 6.0     | 3.0     |         |         |         |         |      | 23.5  | 14.8                  |
| ENE                     | .6    | .6    | 5.4    | 16.9    | 6.6     | 3.6     |         |         |         |         |      | 33.7  | 14.9                  |
| E                       |       | .6    | 1.8    | 2.4     | 3.6     |         |         |         |         |         |      | 8.4   | 13.4                  |
| ESE                     |       | .6    | .6     | 4.2     | .6      |         |         |         |         |         |      | 6.0   | 12.2                  |
| SE                      |       |       | .6     |         |         |         |         |         |         |         |      | .6    | 7.0                   |
| SSE                     | 1.2   | .6    | .6     |         |         |         |         |         |         |         |      | 2.4   | 5.0                   |
| S                       |       | 2.4   |        |         |         |         |         |         |         |         |      | 2.4   | 5.3                   |
| SSW                     |       |       |        |         |         |         |         |         |         |         |      |       |                       |
| SW                      |       |       |        |         |         |         |         |         |         |         |      |       |                       |
| WSW                     |       | .6    |        |         |         |         |         |         |         |         |      | .6    | 4.0                   |
| W                       |       |       |        |         |         |         |         |         |         |         |      |       |                       |
| WNW                     | .6    |       | .6     |         |         |         |         |         |         |         |      | 1.2   | 5.0                   |
| NW                      | .6    |       | .6     |         |         |         |         |         |         |         |      | 1.2   | 4.0                   |
| NNW                     |       |       | 1.2    |         |         |         |         |         |         |         |      | 1.2   | 7.5                   |
| VARBL                   |       |       |        |         |         |         |         |         |         |         |      |       |                       |
| CALM                    |       |       |        |         |         |         |         |         |         |         |      |       |                       |
|                         | 3.0   | 8.4   | 19.9   | 42.2    | 19.9    | 6.6     |         |         |         |         |      | 100.0 | 13.2                  |

TOTAL NUMBER OF OBSERVATIONS 166

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

# SURFACE WINDS

## PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

00002 MAUI OPTICAL SITE HI SOUTH TOWER 78-79 SEP  
STATION STATION NAME YEARS MONTH  
ALL WEATHER  
CLASS  
CONDITION  
2100-2300  
HOURS (L.S.T.)

| SPEED<br>(KNTS)<br>DIR. | 1 - 3 | 4 - 6 | 7 - 10 | 11 - 16 | 17 - 21 | 22 - 27 | 28 - 33 | 34 - 40 | 41 - 47 | 48 - 55 | ≥ 56 | %     | MEAN<br>WIND<br>SPEED |
|-------------------------|-------|-------|--------|---------|---------|---------|---------|---------|---------|---------|------|-------|-----------------------|
| N                       | .6    |       |        |         |         |         |         |         |         |         |      | .6    | 3.0                   |
| NNE                     |       | .6    | 3.6    | 4.8     | 1.2     | .6      |         |         |         |         |      | 10.8  | 13.0                  |
| NE                      | .6    | 2.4   | 2.4    | 9.0     | 6.0     | 1.2     |         |         |         |         |      | 21.7  | 13.4                  |
| ENE                     | 1.2   | .6    | 6.6    | 15.1    | 12.0    | 3.0     | .6      |         |         |         |      | 39.2  | 14.7                  |
| E                       | .6    | 1.8   | .6     | 3.6     | 6.0     | 2.4     |         |         |         |         |      | 15.1  | 15.7                  |
| ESE                     |       |       | 2.4    | 1.2     |         |         |         |         |         |         |      | 3.6   | 10.5                  |
| SE                      | 1.2   |       | .6     | 1.2     |         |         |         |         |         |         |      | 3.0   | 8.4                   |
| SSE                     | .6    |       |        |         |         |         |         |         |         |         |      | .6    | 3.0                   |
| S                       | .6    |       |        |         |         |         |         |         |         |         |      | .6    | 3.0                   |
| SSW                     |       | 1.2   | .6     |         |         |         |         |         |         |         |      | 1.8   | 6.3                   |
| SW                      |       |       |        |         |         |         |         |         |         |         |      |       |                       |
| WSW                     |       |       |        |         |         |         |         |         |         |         |      |       |                       |
| W                       |       | .6    |        |         |         |         |         |         |         |         |      | .6    | 4.0                   |
| WNW                     |       |       |        |         |         |         |         |         |         |         |      |       |                       |
| NW                      |       |       | 1.2    |         |         |         |         |         |         |         |      | 1.2   | 7.5                   |
| NNW                     | .6    | .6    |        |         |         |         |         |         |         |         |      | 1.2   | 4.5                   |
| VARBL                   |       |       |        |         |         |         |         |         |         |         |      |       |                       |
| CALM                    |       |       |        |         |         |         |         |         |         |         |      |       |                       |
|                         | 6.0   | 7.8   | 18.1   | 34.9    | 25.3    | 7.2     | .6      |         |         |         |      | 100.0 | 13.4                  |

TOTAL NUMBER OF OBSERVATIONS 166

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

# SURFACE WINDS

## PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

00002 STATION MAUI OPTICAL SITE HI SOUTH TOWER 78-79 YEARS SEP MONTH ALL HOURS (L.S.T.)

ALL WEATHER CLASS

CONDITION

| SPEED (KNTS) DIR | 1 - 3 | 4 - 6 | 7 - 10 | 11 - 16 | 17 - 21 | 22 - 27 | 28 - 33 | 34 - 40 | 41 - 47 | 48 - 55 | ≥ 56 | %     | MEAN WIND SPEED |
|------------------|-------|-------|--------|---------|---------|---------|---------|---------|---------|---------|------|-------|-----------------|
| N                | .3    | 1.1   | 1.3    | .4      | .1      |         |         |         |         |         |      | 3.1   | 7.5             |
| NNE              | .2    | 1.2   | 2.8    | 4.2     | 1.6     | .4      |         |         |         |         |      | 10.4  | 12.0            |
| NE               | .2    | 1.4   | 4.4    | 7.2     | 4.4     | 1.2     |         |         |         |         |      | 18.7  | 13.3            |
| ENE              | .4    | 2.0   | 8.1    | 13.9    | 7.3     | 1.9     | .2      |         |         |         |      | 33.8  | 13.5            |
| E                | .2    | 1.2   | 3.2    | 5.9     | 4.1     | 1.0     |         |         |         |         |      | 15.5  | 13.6            |
| ESE              | .2    | .5    | 2.1    | 2.5     | .6      |         |         |         |         |         |      | 5.8   | 10.9            |
| SE               | .5    | .5    | 1.1    | 1.0     | .1      | .1      |         |         |         |         |      | 3.3   | 8.8             |
| SSE              | .4    | .7    | .5     |         |         |         |         |         |         |         |      | 1.5   | 5.4             |
| S                | .5    | .9    |        |         |         |         |         |         |         |         |      | 1.4   | 4.3             |
| SSW              | .3    | .3    | .2     |         |         |         |         |         |         |         |      | .8    | 4.7             |
| SW               | .1    | .3    | .1     |         |         |         |         |         |         |         |      | .5    | 4.3             |
| WSW              | .5    | .2    | .2     |         |         |         |         |         |         |         |      | .8    | 3.7             |
| W                | .5    | .5    |        |         |         |         |         |         |         |         |      | 1.0   | 3.7             |
| WNW              | .7    | .5    | .2     |         |         |         |         |         |         |         |      | 1.4   | 4.2             |
| NW               | .2    | .6    | .5     |         |         |         |         |         |         |         |      | 1.3   | 5.2             |
| NNW              | .4    | .2    | .2     | .1      |         |         |         |         |         |         |      | .8    | 5.1             |
| VARBL            |       |       |        |         |         |         |         |         |         |         |      |       |                 |
| CALM             |       |       |        |         |         |         |         |         |         |         |      |       |                 |
|                  | 5.4   | 11.9  | 24.8   | 35.1    | 18.1    | 4.5     | .2      |         |         |         |      | 100.0 | 12.0            |

TOTAL NUMBER OF OBSERVATIONS 1329

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

# SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)

00002  
STATION

MAUI OPTICAL SITE HI SOUTH TOWER  
STATION NAME

78-79  
YEARS

OCT  
MONTH

ALL WEATHER  
CLASS

0000-0200  
HOURS (L.S.T.)

CONDITION

| SPEED<br>(KNTS)<br>DIR. | 1 - 3 | 4 - 6 | 7 - 10 | 11 - 16 | 17 - 21 | 22 - 27 | 28 - 33 | 34 - 40 | 41 - 47 | 48 - 55 | ≥ 56 | %     | MEAN<br>WIND<br>SPEED |
|-------------------------|-------|-------|--------|---------|---------|---------|---------|---------|---------|---------|------|-------|-----------------------|
| N                       |       | 2.2   | 1.7    | 1.7     |         |         |         |         |         |         |      | 5.6   | 8.4                   |
| NNE                     |       | 2.8   | 1.7    | 1.1     |         |         |         |         |         |         |      | 5.6   | 7.7                   |
| NE                      |       | .6    | 2.2    | 2.8     | 1.1     | .6      |         |         |         |         |      | 7.2   | 13.2                  |
| ENE                     | .6    | 1.7   | 5.6    | 3.0     | 2.2     |         |         |         |         |         |      | 13.9  | 11.0                  |
| E                       |       | 1.1   | 3.9    | 6.1     | 2.2     | 2.8     | 1.1     |         |         |         |      | 17.2  | 15.5                  |
| ESE                     |       | .6    | .6     | 2.8     | 1.1     | 1.1     | .6      |         |         |         |      | 6.7   | 15.8                  |
| SE                      |       | .6    | 3.3    | .6      |         |         |         |         |         |         |      | 4.4   | 8.4                   |
| SSE                     | .6    | 2.2   | 2.2    | .6      |         |         |         |         |         |         |      | 5.6   | 7.1                   |
| S                       | .6    | 1.7   | 3.9    | .6      |         |         |         |         |         |         |      | 6.7   | 7.3                   |
| SSW                     |       | 3.9   | 2.2    | .6      |         |         |         |         |         |         |      | 6.7   | 6.8                   |
| SW                      | .6    | 1.7   | 5.0    | 1.1     |         |         |         |         |         |         |      | 8.3   | 8.1                   |
| WSW                     | .6    |       | .6     |         |         |         |         |         |         |         |      | 1.1   | 4.5                   |
| W                       |       |       |        |         |         |         |         |         |         |         |      |       |                       |
| WNW                     | .6    | 1.7   | 1.1    |         |         |         |         |         |         |         |      | 3.3   | 5.0                   |
| NW                      | .6    | 1.7   | 1.7    |         |         |         |         |         |         |         |      | 3.9   | 5.9                   |
| NNW                     |       | 2.2   | 1.1    | .6      |         |         |         |         |         |         |      | 3.9   | 7.0                   |
| VARBL                   |       |       |        |         |         |         |         |         |         |         |      |       |                       |
| CALM                    |       |       |        |         |         |         |         |         |         |         |      |       |                       |
|                         | 3.9   | 24.4  | 36.7   | 22.2    | 6.7     | 4.4     | 1.1     |         |         |         |      | 100.0 | 10.2                  |

TOTAL NUMBER OF OBSERVATIONS

180

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

# SURFACE WINDS

## PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

00002 STATION MAUI OPTICAL SITE HI SOUTH TOWER 78-79 YEARS OCT MONTH 0300-0500 HOURS (L.S.T.)

ALL WEATHER CLASS

CONDITION

| SPEED (KNTS) DIR. | 1 - 3 | 4 - 6 | 7 - 10 | 11 - 16 | 17 - 21 | 22 - 27 | 28 - 33 | 34 - 40 | 41 - 47 | 48 - 55 | ≥ 56 | %     | MEAN WIND SPEED |
|-------------------|-------|-------|--------|---------|---------|---------|---------|---------|---------|---------|------|-------|-----------------|
| N                 |       | 2.2   | 1.1    | 1.1     |         |         |         |         |         |         |      | 4.5   | 8.4             |
| NNE               | .6    | 1.1   | 3.4    | 1.1     |         | .6      |         |         |         |         |      | 6.7   | 8.8             |
| NE                |       |       | 5.1    | 2.2     | 1.1     | .6      |         |         |         |         |      | 9.0   | 12.4            |
| ENE               |       | 2.2   | 5.6    | 14.0    | .6      | 1.7     |         |         |         |         |      | 24.2  | 12.2            |
| E                 |       | 1.1   | 1.7    | 1.1     | 2.2     | 2.2     | .6      |         |         |         |      | 9.0   | 16.8            |
| ESE               |       |       | 1.1    |         | 1.1     | 1.1     | .6      |         |         |         |      | 3.9   | 18.7            |
| SE                |       | .6    | .6     | .6      |         |         |         |         |         |         |      | 1.7   | 8.7             |
| SSE               | .6    | 1.1   | .6     | 1.7     |         |         |         |         |         |         |      | 3.9   | 7.4             |
| S                 |       | 2.0   | .6     | 3.4     |         |         |         |         |         |         |      | 6.7   | 8.8             |
| SSW               | 1.1   | 1.7   | 4.5    | 1.7     |         |         |         |         |         |         |      | 9.0   | 8.0             |
| SW                |       | 2.2   | 2.8    | 1.7     |         |         |         |         |         |         |      | 6.7   | 8.3             |
| WSW               |       | 1.1   | 1.7    |         |         |         |         |         |         |         |      | 2.8   | 7.4             |
| W                 | .6    | 1.1   | .6     |         |         |         |         |         |         |         |      | 2.2   | 5.0             |
| WNW               |       | .6    | .6     |         |         |         |         |         |         |         |      | 1.1   | 7.0             |
| NW                | .6    |       |        | .6      |         |         |         |         |         |         |      | 1.1   | 6.0             |
| NNW               |       | 1.7   | 3.4    | 1.7     | .6      |         |         |         |         |         |      | 7.3   | 9.0             |
| VARBL             |       |       |        |         |         |         |         |         |         |         |      |       |                 |
| CALM              |       |       |        |         |         |         |         |         |         |         |      |       |                 |
|                   | 3.4   | 19.7  | 33.1   | 30.9    | 5.6     | 6.2     | 1.1     |         |         |         |      | 100.0 | 10.7            |

TOTAL NUMBER OF OBSERVATIONS 178

2  
GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

00002 MAUI OPTICAL SITE HI SOUTH TOWER 78-79 OCT  
STATION STATION NAME YEARS MONTH  
ALL WEATHER  
CLASS  
CONDITION  
0600-0800  
HOURS (L.S.T.)

| SPEED<br>(KNTS)<br>DIR. | 1 - 3 | 4 - 6 | 7 - 10 | 11 - 16 | 17 - 21 | 22 - 27 | 28 - 33 | 34 - 40 | 41 - 47 | 48 - 53 | ≥ 54 | %     | MEAN<br>WIND<br>SPEED |
|-------------------------|-------|-------|--------|---------|---------|---------|---------|---------|---------|---------|------|-------|-----------------------|
| N                       | .6    | 1.1   | 1.1    | .6      |         |         |         |         |         |         |      | 3.4   | 7.5                   |
| NNE                     |       | 1.7   | 2.3    | 1.7     | 2.8     |         |         |         |         |         |      | 8.5   | 12.3                  |
| NE                      | .6    | 1.1   | 2.8    | 3.4     | .6      | .6      |         |         |         |         |      | 9.0   | 11.2                  |
| ENE                     |       | 2.3   | 3.4    | 9.6     | 1.1     |         |         |         |         |         |      | 16.4  | 11.1                  |
| E                       |       |       | 2.8    | 3.4     | 2.8     | 1.1     | .6      | .6      |         |         |      | 11.3  | 16.1                  |
| ESE                     |       | .6    | 2.3    | 2.8     | .6      | 1.1     | .6      |         |         |         |      | 7.9   | 14.0                  |
| SE                      | 1.1   | .6    | 1.7    | .6      |         |         |         |         |         |         |      | 4.0   | 6.9                   |
| SSE                     | .6    | 1.7   | 1.7    | .6      |         |         |         |         |         |         |      | 4.5   | 6.3                   |
| S                       |       | 1.1   | 2.3    | 2.3     |         |         |         |         |         |         |      | 5.6   | 9.3                   |
| SSW                     | 1.1   | .6    | 3.4    | 3.4     | .6      |         |         |         |         |         |      | 9.0   | 9.3                   |
| SW                      | .6    | 1.7   | 2.8    | 1.7     |         |         |         |         |         |         |      | 6.8   | 8.3                   |
| WSW                     |       | 1.1   | .6     | .6      |         |         |         |         |         |         |      | 2.3   | 7.5                   |
| W                       | 1.1   | 1.1   |        |         |         |         |         |         |         |         |      | 2.3   | 4.3                   |
| WNW                     | 1.7   | .6    |        |         |         |         |         |         |         |         |      | 2.3   | 3.8                   |
| NW                      | 1.1   | .6    | .6     | 1.1     |         |         |         |         |         |         |      | 3.4   | 6.8                   |
| NNW                     | .6    |       | 1.1    | 1.7     |         |         |         |         |         |         |      | 3.4   | 9.8                   |
| VARBL                   |       |       |        |         |         |         |         |         |         |         |      |       |                       |
| CALM                    |       |       |        |         |         |         |         |         |         |         |      |       |                       |
|                         | 9.0   | 15.8  | 28.8   | 33.3    | 8.5     | 2.8     | 1.1     | .6      |         |         |      | 100.0 | 10.4                  |

TOTAL NUMBER OF OBSERVATIONS 177



GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

## SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)

00002  
STATION

MAUI OPTICAL SITE HI SOUTH TOWER  
STATION NAME

78-79  
YEARS

OCT  
MONTH

ALL WEATHER  
CLASS

0900-1100  
HOURS (L.S.T.)

CONDITION

| SPEED<br>(KNTS)<br>DIR. | 1 - 3 | 4 - 6 | 7 - 10 | 11 - 16 | 17 - 21 | 22 - 27 | 28 - 33 | 34 - 40 | 41 - 47 | 48 - 55 | ≥ 56 | %     | MEAN<br>WIND<br>SPEED |
|-------------------------|-------|-------|--------|---------|---------|---------|---------|---------|---------|---------|------|-------|-----------------------|
| N                       | .5    | 1.1   | 1.1    | 1.1     | .5      |         |         |         |         |         |      | 4.4   | 9.1                   |
| NNE                     |       | 2.2   | 1.1    | 4.9     | 1.1     |         |         |         |         |         |      | 9.3   | 11.5                  |
| NE                      |       | 1.6   | 4.9    | 2.2     | 1.1     |         |         |         |         |         |      | 9.9   | 10.1                  |
| ENE                     |       | 3.8   | 2.7    | 4.9     | .5      | .5      |         |         |         |         |      | 12.6  | 10.2                  |
| E                       |       | 1.6   | 2.2    | 1.1     | 1.6     | 2.2     | 2.2     |         |         |         |      | 11.0  | 17.9                  |
| ESE                     |       | .5    | 2.2    | 2.2     |         | 1.1     |         |         |         |         |      | 6.0   | 12.5                  |
| SE                      | .5    | 2.2   | 1.6    | .5      |         |         |         |         |         |         |      | 4.9   | 6.4                   |
| SSE                     |       | 3.3   | 1.1    | 1.1     | .5      |         |         |         |         |         |      | 6.0   | 7.9                   |
| S                       | .5    | 2.7   | 3.3    | .5      | 1.1     |         |         |         |         |         |      | 8.2   | 8.8                   |
| SSW                     | 1.1   | 2.7   | 4.4    | 2.2     |         |         |         |         |         |         |      | 10.4  | 7.9                   |
| SW                      | 1.1   | .5    | 2.2    | 1.1     |         |         |         |         |         |         |      | 4.9   | 7.4                   |
| WSW                     | .5    | 1.1   | 1.6    |         |         |         |         |         |         |         |      | 3.3   | 6.2                   |
| W                       | 1.1   | 1.1   | .5     | .5      |         |         |         |         |         |         |      | 3.3   | 5.8                   |
| WNW                     |       | 1.6   |        |         |         |         |         |         |         |         |      | 1.6   | 5.3                   |
| NW                      |       | 2.2   |        |         |         |         |         |         |         |         |      | 2.2   | 5.3                   |
| NNW                     |       | 1.1   | .5     |         |         |         |         |         |         |         |      | 1.6   | 6.0                   |
| VARBL                   |       |       |        |         |         |         |         |         |         |         |      |       |                       |
| CALM                    |       |       |        |         |         |         |         |         |         |         |      |       |                       |
|                         | 5.5   | 29.7  | 29.7   | 22.5    | 6.6     | 3.8     | 2.2     |         |         |         |      | 100.0 | 9.9                   |

TOTAL NUMBER OF OBSERVATIONS

182

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

## SURFACE WINDS

### PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

00002 MAUI OPTICAL SITE HI SOUTH TOWER 78-79 OCT  
STATION NAME YEARS MONTH  
ALL WEATHER  
CLASS  
CONDITION  
1200-1400  
HOURS (L.S.T.)

| SPEED<br>(KNTS)<br>DIR. | 1 - 3 | 4 - 6 | 7 - 10 | 11 - 16 | 17 - 21 | 22 - 27 | 28 - 33 | 34 - 40 | 41 - 47 | 48 - 55 | ≥ 56 | %     | MEAN<br>WIND<br>SPEED |
|-------------------------|-------|-------|--------|---------|---------|---------|---------|---------|---------|---------|------|-------|-----------------------|
| N                       |       | 1.6   | 3.3    | .5      |         |         |         |         |         |         |      | 5.4   | 7.5                   |
| NNE                     | .5    | 3.8   | 2.2    | 2.7     | .5      |         |         |         |         |         |      | 9.8   | 8.3                   |
| NE                      | .5    | 1.1   | 1.6    | 1.6     | 1.1     |         |         |         |         |         |      | 6.0   | 10.3                  |
| ENE                     |       | 1.1   | 3.3    | 4.9     |         | .5      |         |         |         |         |      | 9.8   | 11.4                  |
| E                       | .5    | 1.1   | 2.7    | 2.7     | 1.1     | 3.3     |         |         |         |         |      | 11.4  | 14.2                  |
| ESE                     |       | .5    | .5     | .5      | 1.1     | .5      | .5      |         |         |         |      | 3.8   | 17.6                  |
| SE                      | 1.1   | .5    | 1.6    |         | .5      |         |         |         |         |         |      | 3.8   | 7.4                   |
| SSE                     |       | .5    | 2.2    | .5      |         |         |         |         |         |         |      | 3.3   | 9.2                   |
| S                       | 2.2   | 4.3   | 3.3    | 1.6     |         |         |         |         |         |         |      | 11.4  | 6.7                   |
| SSW                     | 1.1   | 2.7   | 3.8    | 2.2     |         |         |         |         |         |         |      | 9.8   | 8.4                   |
| SW                      | 3.3   | 1.6   | 2.7    | 1.1     |         |         |         |         |         |         |      | 8.7   | 6.1                   |
| WSW                     | 1.1   | 1.1   | 1.6    | .5      |         |         |         |         |         |         |      | 4.3   | 5.6                   |
| W                       | 1.6   | 1.6   | .5     |         |         |         |         |         |         |         |      | 3.8   | 4.7                   |
| WNW                     |       | 1.1   | .5     |         |         |         |         |         |         |         |      | 1.6   | 6.3                   |
| NW                      | 1.6   | 1.6   | .5     | .5      |         |         |         |         |         |         |      | 4.3   | 5.3                   |
| NNW                     | .5    | 1.6   | .5     |         |         |         |         |         |         |         |      | 2.7   | 5.2                   |
| VARBL                   |       |       |        |         |         |         |         |         |         |         |      |       |                       |
| CALM                    |       |       |        |         |         |         |         |         |         |         |      |       |                       |
|                         | 14.1  | 26.1  | 31.0   | 19.6    | 4.3     | 4.3     | .5      |         |         |         |      | 100.0 | 9.9                   |

TOTAL NUMBER OF OBSERVATIONS 184

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

## SURFACE WINDS

### PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

00002  
STATION

MAUI OPTICAL SITE HI SOUTH TOWER  
STATION NAME

78-79  
YEARS

OCT  
MONTH

ALL WEATHER  
CLASS

1500-1700  
HOURS (L.S.T.)

CONDITION

| SPEED<br>(KNTS)<br>DIR. | 1 - 3 | 4 - 6 | 7 - 10 | 11 - 16 | 17 - 21 | 22 - 27 | 28 - 33 | 34 - 40 | 41 - 47 | 48 - 55 | ≥ 56 | %     | MEAN<br>WIND<br>SPEED |
|-------------------------|-------|-------|--------|---------|---------|---------|---------|---------|---------|---------|------|-------|-----------------------|
| N                       |       | 2.2   | 2.7    | 1.1     |         |         |         |         |         |         |      | 6.0   | 8.3                   |
| NNE                     | 1.1   | 2.2   | 2.2    | 2.2     | 2.2     |         |         |         |         |         |      | 9.8   | 10.4                  |
| NE                      | 1.6   | 1.6   | 1.6    | 5.4     | .5      |         |         |         |         |         |      | 10.9  | 9.7                   |
| ENE                     |       | 3.3   | 4.3    | 2.2     | .5      |         |         |         |         |         |      | 10.3  | 9.2                   |
| E                       | .5    | 1.1   | 2.2    | 3.8     | 2.2     | 2.7     | 1.1     |         |         |         |      | 13.6  | 15.8                  |
| ESE                     | .5    | 1.6   |        |         | .5      |         | .5      |         |         |         |      | 3.3   | 11.5                  |
| SE                      | .5    | 2.2   | 1.6    | .5      |         |         |         |         |         |         |      | 4.9   | 6.3                   |
| SSE                     | .5    | 2.7   | 1.6    | .5      |         |         |         |         |         |         |      | 5.4   | 6.4                   |
| S                       | .5    | 2.2   | 1.6    |         |         |         |         |         |         |         |      | 4.3   | 6.0                   |
| SSW                     | 2.2   | 1.1   | 3.8    | 3.3     |         |         |         |         |         |         |      | 10.3  | 8.4                   |
| SW                      | .5    | 2.2   | .5     | 2.2     |         |         |         |         |         |         |      | 5.4   | 7.8                   |
| WSW                     | 1.6   | 1.6   | 1.1    |         |         |         |         |         |         |         |      | 4.3   | 4.5                   |
| W                       | .5    | 2.2   | 1.1    |         |         |         |         |         |         |         |      | 3.8   | 5.9                   |
| WNW                     |       | 2.7   | 1.1    |         |         |         |         |         |         |         |      | 3.8   | 5.3                   |
| NW                      | .5    | 1.6   |        |         |         |         |         |         |         |         |      | 2.2   | 4.3                   |
| NNW                     | 1.1   |       | .5     |         |         |         |         |         |         |         |      | 1.6   | 5.3                   |
| VARBL                   |       |       |        |         |         |         |         |         |         |         |      |       |                       |
| CALM                    |       |       |        |         |         |         |         |         |         |         |      |       |                       |
|                         | 12.0  | 30.4  | 26.1   | 21.2    | 6.0     | 2.7     | 1.6     |         |         |         |      | 100.0 | 9.0                   |

TOTAL NUMBER OF OBSERVATIONS

184

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

# SURFACE WINDS

## PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

00002  
STATION

MAUI OPTICAL SITE HI SOUTH TOWER  
STATION NAME

78-79  
YEARS

OCT  
MONTH

ALL WEATHER  
CLASS

1800-2000  
HOURS (L.S.T.)

CONDITION

| SPEED<br>(KNTS)<br>DIR. | 1 - 3 | 4 - 6 | 7 - 10 | 11 - 16 | 17 - 21 | 22 - 27 | 28 - 33 | 34 - 40 | 41 - 47 | 48 - 55 | ≥ 56 | %     | MEAN<br>WIND<br>SPEED |
|-------------------------|-------|-------|--------|---------|---------|---------|---------|---------|---------|---------|------|-------|-----------------------|
| N                       | .5    | 1.6   | 1.6    | .5      | .5      |         |         |         |         |         |      | 4.9   | 8.9                   |
| NNE                     |       |       | .5     | 4.9     | .5      |         |         |         |         |         |      | 6.0   | 13.5                  |
| NE                      |       | .5    | 2.7    | 4.9     | 1.1     |         |         |         |         |         |      | 9.3   | 12.1                  |
| ENE                     | .5    | 1.1   | 3.3    | 6.6     | 4.9     |         |         |         |         |         |      | 16.5  | 13.1                  |
| E                       | .5    | 2.2   | 1.1    | 3.8     | 2.2     | 2.2     | 1.6     | 1.1     |         |         |      | 14.8  | 17.1                  |
| ESE                     | 1.6   |       | .5     | 2.7     | 1.1     | .5      |         |         |         |         |      | 6.6   | 11.9                  |
| SE                      | .5    |       | 1.1    |         | .5      |         |         |         |         |         |      | 2.2   | 9.3                   |
| SSE                     | .5    |       | .5     |         |         |         |         |         |         |         |      | 1.1   | 5.0                   |
| S                       | 1.6   | 2.2   | 2.2    | .5      |         |         |         |         |         |         |      | 6.6   | 5.8                   |
| SSW                     | .5    | 2.7   | 1.6    | 1.6     |         |         |         |         |         |         |      | 6.6   | 7.2                   |
| SW                      | 1.6   | 3.8   | 1.6    | 1.1     |         |         |         |         |         |         |      | 8.2   | 6.4                   |
| WSW                     |       | 1.6   |        | 1.1     |         |         |         |         |         |         |      | 2.7   | 8.6                   |
| W                       | 2.7   | 1.1   |        |         |         |         |         |         |         |         |      | 3.8   | 3.1                   |
| WNW                     | 2.7   |       |        |         |         |         |         |         |         |         |      | 2.7   | 2.4                   |
| NW                      | .5    | .5    | 2.2    |         |         |         |         |         |         |         |      | 3.3   | 6.0                   |
| NNW                     |       | 1.1   | 2.7    | .5      |         |         |         |         |         |         |      | 4.4   | 8.1                   |
| VARBL                   |       |       |        |         |         |         |         |         |         |         |      |       |                       |
| CALM                    |       |       |        |         |         |         |         |         |         |         |      |       |                       |
|                         | 14.3  | 18.7  | 22.0   | 28.6    | 11.7    | 2.7     | 1.6     | 1.1     |         |         |      | 100.0 | 10.5                  |

TOTAL NUMBER OF OBSERVATIONS

182

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

00002 MAUI OPTICAL SITE HI SOUTH TOWER 78-79  
STATION STATION NAME YEARS  
ALL WEATHER  
CLASS  
CONDITION  
OCT  
MONTH  
2100-2300  
HOURS (L.S.T.)

| SPEED<br>(KNTS)<br>DIR. | 1 - 3 | 4 - 6 | 7 - 10 | 11 - 16 | 17 - 21 | 22 - 27 | 28 - 33 | 34 - 40 | 41 - 47 | 48 - 55 | ≥ 56 | %     | MEAN<br>WIND<br>SPEED |
|-------------------------|-------|-------|--------|---------|---------|---------|---------|---------|---------|---------|------|-------|-----------------------|
| N                       |       | 1.7   | 5.0    | 1.1     |         |         |         |         |         |         |      | 7.7   | 8.1                   |
| NNE                     |       |       | 4.4    | 2.2     |         |         |         |         |         |         |      | 6.6   | 10.1                  |
| NE                      | .6    |       | 3.3    | 2.2     | 1.7     |         |         |         |         |         |      | 7.7   | 11.6                  |
| ENE                     |       | 1.1   | 5.0    | 6.6     | 3.3     | .6      |         |         |         |         |      | 16.6  | 12.6                  |
| E                       | 1.7   | .6    | 1.1    | 6.1     | 3.3     | 4.4     | .6      | .6      |         |         |      | 18.2  | 16.4                  |
| ESE                     |       |       | .6     | 3.9     | .6      |         | 1.1     |         |         |         |      | 6.1   | 17.8                  |
| SE                      |       | 1.1   | 2.2    | .6      |         |         |         |         |         |         |      | 3.9   | 7.3                   |
| SSE                     | 1.1   | 1.1   | 1.7    | .6      |         |         |         |         |         |         |      | 4.4   | 6.8                   |
| S                       |       | 3.3   | 2.8    | .6      |         |         |         |         |         |         |      | 6.6   | 7.4                   |
| SSW                     | 2.8   |       | 2.8    | .6      |         |         |         |         |         |         |      | 6.1   | 6.1                   |
| SW                      | 1.1   | 3.3   | 1.1    | 1.1     |         |         |         |         |         |         |      | 6.6   | 6.1                   |
| WSW                     | .6    | .6    | 1.7    | 1.1     |         |         |         |         |         |         |      | 3.9   | 8.3                   |
| W                       |       | .6    |        |         |         |         |         |         |         |         |      | .6    | 4.0                   |
| WNW                     | 1.1   | 1.1   | .6     |         |         |         |         |         |         |         |      | 2.8   | 4.8                   |
| NW                      |       |       | .6     |         |         |         |         |         |         |         |      | .6    | 7.0                   |
| NNW                     |       | .6    | .6     | .6      |         |         |         |         |         |         |      | 1.7   | 8.0                   |
| VARBL                   |       |       |        |         |         |         |         |         |         |         |      |       |                       |
| CALM                    |       |       |        |         |         |         |         |         |         |         |      |       |                       |
|                         | 8.8   | 14.9  | 33.1   | 27.1    | 8.8     | 5.0     | 1.7     | .6      |         |         |      | 100.0 | 10.8                  |

TOTAL NUMBER OF OBSERVATIONS 181

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

00002 MAUI OPTICAL SITE HI SOUTH TOWER 78-79  
STATION STATION NAME YEARS  
ALL WEATHER  
CLASS  
CONDITION  
OCT  
MONTH  
ALL  
HOURS (L.S.T.)

| SPEED<br>(KNTS)<br>DIR. | 1 - 3 | 4 - 6 | 7 - 10 | 11 - 16 | 17 - 21 | 22 - 27 | 28 - 33 | 34 - 40 | 41 - 47 | 48 - 53 | ≥ 54 | %     | MEAN<br>WIND<br>SPEED |
|-------------------------|-------|-------|--------|---------|---------|---------|---------|---------|---------|---------|------|-------|-----------------------|
| N                       | .2    | 1.7   | 2.2    | 1.0     | .1      |         |         |         |         |         |      | 5.2   | 8.3                   |
| NNE                     | .3    | 1.7   | 2.2    | 2.6     | .9      | .1      |         |         |         |         |      | 7.8   | 10.4                  |
| NE                      | .4    | .8    | 3.0    | 3.1     | 1.0     | .2      |         |         |         |         |      | 8.6   | 11.2                  |
| ENE                     | .1    | 2.1   | 4.1    | 6.6     | 1.7     | .4      |         |         |         |         |      | 15.0  | 11.5                  |
| E                       | .4    | 1.1   | 2.2    | 3.5     | 2.2     | 2.6     | 1.0     | .3      |         |         |      | 13.3  | 16.2                  |
| ESE                     | .3    | .5    | 1.0    | 1.9     | .8      | .7      | .5      |         |         |         |      | 5.5   | 14.8                  |
| SE                      | .5    | 1.0   | 1.7    | .4      | .1      |         |         |         |         |         |      | 3.7   | 7.3                   |
| SSE                     | .5    | 1.6   | 1.5    | .7      | .1      |         |         |         |         |         |      | 4.3   | 7.1                   |
| S                       | .7    | 2.6   | 2.5    | 1.2     | .1      |         |         |         |         |         |      | 7.0   | 7.5                   |
| SSW                     | 1.2   | 1.9   | 3.3    | 1.9     | .1      |         |         |         |         |         |      | 8.5   | 7.9                   |
| SW                      | 1.1   | 2.1   | 2.3    | 1.4     |         |         |         |         |         |         |      | 7.0   | 7.3                   |
| WSW                     | .6    | 1.0   | 1.1    | .4      |         |         |         |         |         |         |      | 3.1   | 6.7                   |
| W                       | 1.0   | 1.1   | .3     | .1      |         |         |         |         |         |         |      | 2.5   | 4.8                   |
| WNW                     | .8    | 1.2   | .5     |         |         |         |         |         |         |         |      | 2.4   | 4.8                   |
| NW                      | .6    | 1.0   | .7     | .3      |         |         |         |         |         |         |      | 2.6   | 5.7                   |
| NNW                     | .3    | 1.0   | 1.3    | .6      | .1      |         |         |         |         |         |      | 3.3   | 7.8                   |
| VARBL                   |       |       |        |         |         |         |         |         |         |         |      |       |                       |
| CALM                    |       |       |        |         |         |         |         |         |         |         |      |       |                       |
|                         | 8.9   | 22.5  | 30.0   | 25.6    | 7.2     | 4.0     | 1.5     | .3      |         |         |      | 100.0 | 10.1                  |

TOTAL NUMBER OF OBSERVATIONS 1448

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

## SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)

0002 STATION MAUI OPTICAL SITE HI SOUTH TOWER 78-79 YEARS  
ALL WEATHER CLASS  
CONDITION  
NOV MONTH  
0000-0200 HOURS (L.S.T.)

| SPEED<br>(KNTS)<br>DIR. | 1 - 3 | 4 - 6 | 7 - 10 | 11 - 16 | 17 - 21 | 22 - 27 | 28 - 33 | 34 - 40 | 41 - 47 | 48 - 55 | ≥ 56 | %     | MEAN<br>WIND<br>SPEED |
|-------------------------|-------|-------|--------|---------|---------|---------|---------|---------|---------|---------|------|-------|-----------------------|
| N                       | 1.8   | 2.4   | 3.0    |         |         |         |         |         |         |         |      | 7.2   | 6.5                   |
| NNE                     | 2.4   | 1.8   | 1.2    | .6      |         |         |         |         |         |         |      | 6.0   | 5.0                   |
| NE                      | 1.2   | 1.2   | 1.2    | 3.6     | 1.8     |         |         |         |         |         |      | 9.0   | 10.8                  |
| ENE                     |       | 1.2   | 1.8    | 3.0     | 1.2     | 1.2     |         |         |         |         |      | 8.4   | 13.1                  |
| E                       |       | 1.8   | 3.0    | 7.2     | 3.0     | 1.8     |         |         |         |         |      | 16.9  | 13.8                  |
| ESE                     |       | 1.2   | 2.4    | 3.0     | 1.8     | 1.2     |         |         |         |         |      | 9.6   | 13.3                  |
| SE                      | .6    | .6    |        | 1.2     |         |         |         |         |         |         |      | 2.4   | 8.0                   |
| SSE                     | 1.2   | .6    |        |         |         |         |         |         |         |         |      | 1.8   | 2.3                   |
| S                       |       |       | .6     | .6      |         |         |         |         |         |         |      | 1.2   | 10.5                  |
| SSW                     |       | 1.8   | .6     | .6      | 1.8     | 1.2     | .6      |         |         |         |      | 6.6   | 16.5                  |
| SW                      |       | 1.2   | 3.6    | 1.2     | .6      |         |         |         |         |         |      | 5.6   | 9.9                   |
| WSW                     |       | 1.2   | 1.2    | 1.2     | 1.2     | .6      | .6      |         |         |         |      | 6.0   | 14.2                  |
| W                       |       | .6    | 1.2    | 3.0     | 1.2     |         |         |         |         |         |      | 6.0   | 12.1                  |
| WNW                     | 1.2   | 2.4   | .6     |         | .6      |         |         |         |         |         |      | 4.8   | 5.9                   |
| NW                      | .6    | 3.6   |        |         |         |         |         |         |         |         |      | 4.2   | 4.7                   |
| NNW                     | 1.8   | 1.2   |        |         |         |         |         |         |         |         |      | 3.0   | 3.0                   |
| VARBL                   |       |       |        |         |         |         |         |         |         |         |      |       |                       |
| CALM                    |       |       |        |         |         |         |         |         |         |         |      |       |                       |
|                         | 10.8  | 22.9  | 20.5   | 25.3    | 13.3    | 6.0     | 1.2     |         |         |         |      | 100.0 | 10.7                  |

TOTAL NUMBER OF OBSERVATIONS 166

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

# SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)

00002  
STATION

MAUI OPTICAL SITE HI SOUTH TOWER  
STATION NAME

78-79  
YEARS

NOV  
MONTH

ALL WEATHER  
CLASS

0300-0500  
HOURS (L.S.T.)

CONDITION

| SPEED<br>(KNTS)<br>DIR. | 1 - 3 | 4 - 6 | 7 - 10 | 11 - 16 | 17 - 21 | 22 - 27 | 28 - 33 | 34 - 40 | 41 - 47 | 48 - 55 | ≥ 56 | %     | MEAN<br>WIND<br>SPEED |
|-------------------------|-------|-------|--------|---------|---------|---------|---------|---------|---------|---------|------|-------|-----------------------|
| N                       | .6    |       | .6     | 2.4     |         |         |         |         |         |         |      | 3.6   | 11.5                  |
| NNE                     | .6    | 1.8   | 3.0    |         |         |         |         |         |         |         |      | 5.5   | 6.9                   |
| NE                      | .6    | .6    | 1.8    | 3.0     |         | .6      |         |         |         |         |      | 6.7   | 11.5                  |
| ENE                     |       | .6    | 5.5    | 3.0     | 2.4     | .6      |         |         |         |         |      | 12.1  | 12.6                  |
| E                       | .6    | 1.2   | 4.2    | 5.5     | 2.4     |         |         |         |         |         |      | 13.9  | 11.4                  |
| ESE                     | 1.8   | 1.2   | 3.0    | 4.2     | .6      | 1.2     |         |         |         |         |      | 12.1  | 11.5                  |
| SE                      |       | .6    | .6     | 2.4     |         | .6      |         |         |         |         |      | 4.2   | 11.9                  |
| SSE                     | .6    |       | .6     |         |         | 1.2     |         |         |         |         |      | 2.4   | 14.0                  |
| S                       |       |       |        |         |         | 1.2     |         |         |         |         |      | 1.2   | 26.5                  |
| SSW                     |       |       | 2.4    | 1.8     |         |         | 1.2     |         |         |         |      | 5.5   | 14.8                  |
| SW                      | 1.2   |       | 2.4    | 1.8     | .6      |         |         |         |         |         |      | 6.1   | 10.0                  |
| WSW                     | .6    | .6    |        | 1.2     | .6      |         |         |         |         |         |      | 3.0   | 10.4                  |
| W                       | 1.8   | .6    | 5.5    | 3.6     |         |         |         |         |         |         |      | 11.5  | 8.9                   |
| WNW                     | .6    | 2.4   | 2.4    | 1.2     |         | .6      |         |         |         |         |      | 7.3   | 9.3                   |
| NW                      |       | .6    | .6     | 1.2     |         |         |         |         |         |         |      | 2.4   | 9.0                   |
| NNW                     |       | 1.2   | .6     | .6      |         |         |         |         |         |         |      | 2.4   | 7.8                   |
| VARBL                   |       |       |        |         |         |         |         |         |         |         |      |       |                       |
| CALM                    |       |       |        |         |         |         |         |         |         |         |      |       |                       |
|                         | 9.1   | 11.5  | 33.3   | 32.1    | 6.7     | 6.1     | 1.2     |         |         |         |      | 100.0 | 11.1                  |

TOTAL NUMBER OF OBSERVATIONS

165



GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

00002 MAUI OPTICAL SITE HI SOUTH TOWER 78-79  
STATION STATION NAME YEARS  
ALL WEATHER  
CLASS  
NOV  
MONTH  
0600-0800  
HOURS (L.S.T.)

CONDITION

| SPEED<br>(KNTS)<br>DIR. | 1 - 3 | 4 - 6 | 7 - 10 | 11 - 16 | 17 - 21 | 22 - 27 | 28 - 33 | 34 - 40 | 41 - 47 | 48 - 55 | ≥ 56 | %     | MEAN<br>WIND<br>SPEED |
|-------------------------|-------|-------|--------|---------|---------|---------|---------|---------|---------|---------|------|-------|-----------------------|
| N                       | 1.2   | 1.2   | 1.2    | 1.2     |         | .6      |         |         |         |         |      | 5.5   | 8.8                   |
| NNE                     |       | .6    | 1.2    | .6      | .6      |         |         |         |         |         |      | 3.0   | 11.0                  |
| NE                      |       | 1.8   | .6     | 3.0     | .6      |         |         |         |         |         |      | 6.1   | 10.8                  |
| ENE                     |       | 3.0   | 2.4    | 6.7     | 1.8     |         |         |         |         |         |      | 14.0  | 11.1                  |
| E                       | .6    | 3.0   | 4.3    | 1.2     | .6      | .6      | .6      |         |         |         |      | 11.0  | 10.3                  |
| ESE                     | .6    | 2.4   | 1.8    | 3.7     | 2.4     | .6      |         |         |         |         |      | 11.6  | 12.2                  |
| SE                      | 1.2   | .6    | 1.2    | 1.2     | 2.4     | 1.8     |         |         |         |         |      | 8.5   | 14.4                  |
| SSE                     |       |       | .6     |         |         |         |         |         |         |         |      | .6    | 7.0                   |
| S                       | .6    | 1.2   | 2.4    | .6      | .6      |         | 1.2     |         |         |         |      | 6.7   | 12.9                  |
| SSW                     |       |       | 1.2    |         |         |         |         |         |         |         |      | 1.2   | 7.0                   |
| SW                      | .6    |       | 1.2    | 3.0     |         |         |         |         |         |         |      | 4.9   | 10.4                  |
| WSW                     | .6    | .6    | .6     | 2.4     |         |         |         |         |         |         |      | 4.3   | 9.7                   |
| W                       |       | 1.2   | 3.0    | 3.0     |         |         |         |         |         |         |      | 7.3   | 9.1                   |
| WNW                     | 2.4   | 1.2   | .6     | 2.4     |         |         |         |         |         |         |      | 6.7   | 7.1                   |
| NW                      | .6    | 2.4   | .6     | .6      |         |         |         |         |         |         |      | 4.3   | 6.4                   |
| NNW                     |       | 1.2   | 2.4    |         | .6      |         |         |         |         |         |      | 4.3   | 8.6                   |
| VARBL                   |       |       |        |         |         |         |         |         |         |         |      |       |                       |
| CALM                    |       |       |        |         |         |         |         |         |         |         |      |       |                       |
|                         | 8.5   | 20.7  | 25.6   | 29.9    | 9.8     | 3.7     | 1.8     |         |         |         |      | 100.0 | 10.5                  |

TOTAL NUMBER OF OBSERVATIONS 164

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

# SURFACE WINDS

## PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

00002 STATION MAUI OPTICAL SITE HI SOUTH TOWER 78-79 YEARS NOV MONTH 0900-1100 HOURS (L.S.T.)

ALL WEATHER CLASS

CONDITION

| SPEED (KNTS) DIR. | 1 - 3 | 4 - 6 | 7 - 10 | 11 - 16 | 17 - 21 | 22 - 27 | 28 - 33 | 34 - 40 | 41 - 47 | 48 - 55 | ≥ 56 | %     | MEAN WIND SPEED |
|-------------------|-------|-------|--------|---------|---------|---------|---------|---------|---------|---------|------|-------|-----------------|
| N                 | 1.2   | 3.0   | 1.8    |         |         |         |         |         |         |         |      | 6.0   | 5.2             |
| NNE               | .6    | 2.4   | .6     |         | .6      |         |         |         |         |         |      | 4.2   | 6.9             |
| NE                | 1.2   | .6    |        |         | .6      |         |         |         |         |         |      | 2.4   | 7.0             |
| ENE               | 1.2   | 1.2   | 1.8    | 1.2     | 3.0     |         |         |         |         |         |      | 8.4   | 11.3            |
| E                 |       | 1.8   | 4.2    | 7.2     | .6      |         | .6      |         |         |         |      | 14.5  | 12.3            |
| ESE               |       | 1.8   | 1.8    | 3.6     | 1.8     |         |         |         |         |         |      | 9.0   | 12.0            |
| SE                |       | 1.8   | .6     | 1.8     | 1.2     | .6      | 1.2     |         |         |         |      | 7.2   | 15.2            |
| SSE               |       | 1.2   | 3.0    |         |         |         |         |         |         |         |      | 4.2   | 8.3             |
| S                 |       | 1.2   | 1.2    |         |         |         | .6      |         |         |         |      | 3.0   | 10.6            |
| SSW               | .6    | 2.4   | 1.2    |         |         |         | 1.2     |         |         |         |      | 5.4   | 11.6            |
| SW                | .6    | 1.2   | 1.2    | 3.0     |         |         |         |         |         |         |      | 6.0   | 9.6             |
| WSW               | .6    | 1.8   | 3.0    | .6      | 1.8     |         |         |         |         |         |      | 7.8   | 10.1            |
| W                 | 1.2   | 2.4   | 1.8    | 2.4     |         |         |         |         |         |         |      | 7.8   | 7.8             |
| WNW               | 1.8   | .6    |        |         |         |         |         |         |         |         |      | 2.4   | 3.0             |
| NW                | 1.8   | 2.4   | .6     | .6      |         |         |         |         |         |         |      | 5.4   | 5.3             |
| NNW               | 3.0   | 1.8   | .6     |         | .6      |         |         |         |         |         |      | 6.0   | 5.0             |
| VARBL             |       |       |        |         |         |         |         |         |         |         |      |       |                 |
| CALM              |       |       |        |         |         |         |         |         |         |         |      |       |                 |
|                   | 13.9  | 27.7  | 23.5   | 20.5    | 10.2    | .6      | 3.6     |         |         |         |      | 100.0 | 9.6             |

TOTAL NUMBER OF OBSERVATIONS 166

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

## SURFACE WINDS

### PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

00002 MAUI OPTICAL SITE HI SOUTH TOWER 78-79 NOV  
STATION STATION NAME YEARS MONTH  
ALL WEATHER  
CLASS  
CONDITION  
1200-1400  
HOURS (L.S.T.)

| SPEED<br>(KNTS)<br>DIR. | 1 - 3 | 4 - 6 | 7 - 10 | 11 - 16 | 17 - 21 | 22 - 27 | 28 - 33 | 34 - 40 | 41 - 47 | 48 - 55 | ≥ 56 | %     | MEAN<br>WIND<br>SPEED |
|-------------------------|-------|-------|--------|---------|---------|---------|---------|---------|---------|---------|------|-------|-----------------------|
| N                       | 1.2   | 1.2   |        | .6      |         |         |         |         |         |         |      | 3.0   | 5.4                   |
| NNE                     | .6    |       | .6     | .6      |         |         |         |         |         |         |      | 1.8   | 8.0                   |
| NE                      | .6    | .6    | .6     | 1.8     | 1.2     | .6      |         |         |         |         |      | 5.4   | 13.0                  |
| ENE                     | .6    | 1.8   | 3.0    | 2.4     |         | .6      |         |         |         |         |      | 8.4   | 9.7                   |
| E                       |       | 1.8   | 2.4    | 4.2     | 1.2     | .6      |         |         |         |         |      | 10.2  | 12.2                  |
| ESE                     | 2.4   | 1.8   | .6     | 3.0     | 1.8     |         |         |         |         |         |      | 9.6   | 9.7                   |
| SE                      |       |       | 1.2    | 3.6     | 1.2     |         | .6      |         |         |         |      | 6.6   | 14.9                  |
| SSE                     | .6    | 1.2   | .6     | 1.8     | .6      | 1.2     | .6      |         |         |         |      | 6.6   | 14.3                  |
| S                       |       | 1.2   | 1.8    | .6      |         |         |         |         |         |         |      | 3.6   | 8.3                   |
| SSW                     | 2.4   | 1.8   | .6     | .6      |         | 1.2     |         |         |         |         |      | 6.6   | 8.9                   |
| SW                      | .6    | 2.4   | .6     | 1.2     | 1.8     |         |         |         |         |         |      | 6.6   | 9.9                   |
| WSW                     | .6    | 1.8   | 1.8    | 3.6     |         | 1.2     |         |         |         |         |      | 9.0   | 11.9                  |
| W                       | 1.8   | 4.2   | 3.6    | 1.2     |         |         |         |         |         |         |      | 10.8  | 7.2                   |
| WNW                     | 1.8   | 3.6   | .6     | .6      |         |         |         |         |         |         |      | 6.6   | 5.2                   |
| NW                      | .6    | 1.2   | 1.2    |         |         |         |         |         |         |         |      | 3.0   | 5.2                   |
| NNW                     | 1.2   | .6    | .6     |         |         |         |         |         |         |         |      | 2.4   | 4.5                   |
| VARBL                   |       |       |        |         |         |         |         |         |         |         |      |       |                       |
| CALM                    |       |       |        |         |         |         |         |         |         |         |      |       |                       |
|                         | 15.0  | 25.1  | 19.8   | 25.7    | 7.8     | 5.4     | 1.2     |         |         |         |      | 100.0 | 9.9                   |

TOTAL NUMBER OF OBSERVATIONS 167

2  
GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

00002 MAUI OPTICAL SITE HI SOUTH TOWER 78-79  
STATION STATION NAME YEARS  
ALL WEATHER  
CLASS  
CONDITION  
NOV  
MONTH  
1500-1700  
HOURS (L.S.T.)

| SPEED<br>(KNTS)<br>DIR. | 1 - 3 | 4 - 6 | 7 - 10 | 11 - 14 | 17 - 21 | 22 - 27 | 28 - 33 | 34 - 40 | 41 - 47 | 48 - 55 | ≥ 56 | %     | MEAN<br>WIND<br>SPEED |
|-------------------------|-------|-------|--------|---------|---------|---------|---------|---------|---------|---------|------|-------|-----------------------|
| N                       | 1.2   | 1.2   | 2.5    |         |         |         |         |         |         |         |      | 4.9   | 5.6                   |
| NNE                     |       | .6    | .6     |         |         |         |         |         |         |         |      | 1.2   | 7.0                   |
| NE                      |       | .6    | 1.2    | 1.2     | 1.2     |         |         |         |         |         |      | 4.3   | 11.4                  |
| ENE                     | .6    | 1.8   | 2.5    | 2.5     | 1.8     | 1.2     |         |         |         |         |      | 10.4  | 12.4                  |
| E                       |       | 1.2   | 3.1    | 3.1     | 1.8     | 1.2     |         |         |         |         |      | 10.4  | 13.6                  |
| ESE                     | .6    | 1.8   | .6     | 6.7     | 1.8     |         |         |         |         |         |      | 11.7  | 11.8                  |
| SE                      | .6    | 1.2   | 1.2    | 1.8     | 1.8     |         |         |         |         |         |      | 6.7   | 11.1                  |
| SSE                     |       | 1.8   | 1.8    | .6      |         | .6      |         |         |         |         |      | 4.9   | 9.9                   |
| S                       |       | 1.2   | .6     |         |         |         |         |         |         |         |      | 1.8   | 6.3                   |
| SSW                     | 1.2   | 2.5   | .6     |         |         | .6      |         |         |         |         |      | 4.9   | 7.0                   |
| SW                      |       | .6    | 1.2    | .6      | 2.5     | .6      | .6      |         |         |         |      | 6.1   | 16.1                  |
| WSW                     | .6    | .6    | 1.2    | 3.1     |         | 2.5     |         |         |         |         |      | 8.0   | 14.5                  |
| W                       | .6    | 2.5   | 2.5    | .6      |         |         |         |         |         |         |      | 6.1   | 6.9                   |
| WNW                     | 1.8   | 3.1   | 2.5    |         |         |         |         |         |         |         |      | 7.4   | 5.8                   |
| NW                      | 1.8   | 4.9   | 1.2    |         |         |         |         |         |         |         |      | 8.0   | 4.8                   |
| NNW                     | .6    | 1.8   | .6     |         |         |         |         |         |         |         |      | 3.1   | 4.8                   |
| VARRL                   |       |       |        |         |         |         |         |         |         |         |      |       |                       |
| CALM                    |       |       |        |         |         |         |         |         |         |         |      |       |                       |
|                         | 9.8   | 27.6  | 23.9   | 20.2    | 11.0    | 6.7     | .6      |         |         |         |      | 100.0 | 10.2                  |

TOTAL NUMBER OF OBSERVATIONS 163

2  
GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

00002

STATION

MAUI OPTICAL SITE HI SOUTH TOWER

STATION NAME

76-79

YEARS

NOV

MONTH

ALL WEATHER

CLASS

1800-2000

HOURS (L.S.T.)

CONDITION

| SPEED<br>(KNTS)<br>DIR. | 1 - 3 | 4 - 6 | 7 - 10 | 11 - 16 | 17 - 21 | 22 - 27 | 28 - 33 | 34 - 40 | 41 - 47 | 48 - 55 | ≥ 56 | %     | MEAN<br>WIND<br>SPEED |
|-------------------------|-------|-------|--------|---------|---------|---------|---------|---------|---------|---------|------|-------|-----------------------|
| N                       | 2.4   | 1.2   | 1.2    |         |         |         |         |         |         |         |      | 4.8   | 4.8                   |
| NNE                     | .6    | 1.2   | 1.8    | .6      |         |         |         |         |         |         |      | 4.2   | 6.7                   |
| NE                      |       | .6    | 3.6    |         | .6      |         |         |         |         |         |      | 4.8   | 9.4                   |
| ENE                     |       |       | 4.2    | 3.6     | 3.0     |         |         |         |         |         |      | 10.7  | 12.6                  |
| E                       |       | .6    | 6.5    | 5.4     | 3.0     | 2.4     | 1.8     |         |         |         |      | 19.6  | 15.0                  |
| ESE                     |       | .6    | 2.4    | 3.0     | 1.2     |         |         |         |         |         |      | 7.1   | 12.1                  |
| SE                      | .6    | .6    | .6     |         |         |         |         |         |         |         |      | 1.8   | 4.7                   |
| SSE                     | .6    | .6    |        | .6      | .6      | 1.2     |         |         |         |         |      | 3.6   | 15.3                  |
| S                       |       |       | .6     | 1.2     |         |         |         |         |         |         |      | 1.8   | 12.7                  |
| SSW                     | .6    | 1.2   | 1.8    |         |         | .6      |         |         |         |         |      | 4.2   | 8.7                   |
| SW                      | 1.2   | 1.2   | 1.2    | .6      | 2.4     | 1.2     |         |         |         |         |      | 7.7   | 12.8                  |
| WSW                     | .6    |       | 1.8    | 3.0     |         | 1.2     |         |         |         |         |      | 6.5   | 13.5                  |
| W                       | 1.8   | 3.0   | .6     | 1.2     | 1.2     | .6      |         |         |         |         |      | 8.3   | 8.7                   |
| WNW                     | 1.2   | 1.8   | 2.4    |         |         |         |         |         |         |         |      | 5.4   | 5.6                   |
| NW                      | 1.2   | 1.2   | 1.2    | .6      |         |         |         |         |         |         |      | 4.2   | 6.0                   |
| NNW                     | 1.2   | 4.2   |        |         |         |         |         |         |         |         |      | 5.4   | 5.2                   |
| VARBL                   |       |       |        |         |         |         |         |         |         |         |      |       |                       |
| CALM                    |       |       |        |         |         |         |         |         |         |         |      |       |                       |
|                         | 11.9  | 17.9  | 29.8   | 19.6    | 11.9    | 7.1     | 1.8     |         |         |         |      | 100.0 | 10.8                  |

TOTAL NUMBER OF OBSERVATIONS

168

USAFETAC

FORM  
JUL 64

0-8-5 (OL-A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

2  
GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

00002  
STATION

MAUI OPTICAL SITE HI SOUTH TOWER  
STATION NAME

78-79  
YEARS

NOV  
MONTH

ALL WEATHER  
CLASS

2100-2300  
HOURS (L.S.T.)

CONDITION

| SPEED<br>(KNTS)<br>DIR. | 1 - 3 | 4 - 6 | 7 - 10 | 11 - 16 | 17 - 21 | 22 - 27 | 28 - 33 | 34 - 40 | 41 - 47 | 48 - 55 | ≥ 56 | %     | MEAN<br>WIND<br>SPEED |
|-------------------------|-------|-------|--------|---------|---------|---------|---------|---------|---------|---------|------|-------|-----------------------|
| N                       | 1.8   | 1.8   | 1.8    |         |         |         |         |         |         |         |      | 5.4   | 5.0                   |
| NNE                     |       | 1.2   | 3.0    |         |         |         |         |         |         |         |      | 4.2   | 7.6                   |
| NE                      |       | 2.4   | 1.8    |         |         |         |         |         |         |         |      | 4.2   | 6.7                   |
| ENE                     | .6    | 1.8   | 1.8    | 5.4     | 1.2     | .6      |         |         |         |         |      | 11.4  | 11.6                  |
| E                       |       | 1.8   | 3.0    | 4.8     | 4.2     | 4.2     |         |         |         |         |      | 18.0  | 15.5                  |
| ESE                     |       | 2.4   | 3.0    | 4.8     | 1.2     |         |         |         |         |         |      | 11.4  | 10.6                  |
| SE                      | .6    |       | 1.8    | 1.2     |         |         |         |         |         |         |      | 3.6   | 10.0                  |
| SSE                     |       | .6    |        |         |         |         |         |         |         |         |      | .6    | 6.0                   |
| S                       | .6    |       | .6     | .6      |         |         |         |         |         |         |      | 1.8   | 8.3                   |
| SSW                     |       | 2.4   | 2.4    | 1.8     |         | 1.2     | .6      |         |         |         |      | 8.4   | 12.1                  |
| SW                      | 1.8   | 1.2   | 1.2    | .6      | 1.8     | 1.2     |         |         |         |         |      | 7.8   | 11.4                  |
| WSW                     | .6    | 1.8   | .6     | 2.4     | .6      | 1.2     | .6      |         |         |         |      | 7.8   | 13.8                  |
| W                       | .6    | 2.4   | 2.4    |         |         |         |         |         |         |         |      | 5.4   | 6.2                   |
| WNW                     | 1.8   | 1.2   | .6     |         |         |         |         |         |         |         |      | 3.6   | 4.3                   |
| NW                      | 1.2   | .6    | 1.8    |         |         |         |         |         |         |         |      | 3.6   | 5.3                   |
| NNW                     | 1.8   | .6    | .6     |         |         |         |         |         |         |         |      | 3.0   | 3.8                   |
| VARBL                   |       |       |        |         |         |         |         |         |         |         |      |       |                       |
| CALM                    |       |       |        |         |         |         |         |         |         |         |      |       |                       |
|                         | 11.4  | 22.2  | 26.3   | 21.6    | 9.0     | 8.4     | 1.2     |         |         |         |      | 100.0 | 10.5                  |

TOTAL NUMBER OF OBSERVATIONS

167

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

# SURFACE WINDS

## PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

00002 MAUI OPTICAL SITE HI SOUTH TOWER 78-79 NOV  
STATION NAME YEARS MONTH

ALL WEATHER

CLASS

ALL

HOURS (L.S.T.)

CONDITION

| SPEED<br>(KNTS)<br>DIR. | 1 - 3 | 4 - 6 | 7 - 10 | 11 - 16 | 17 - 21 | 22 - 27 | 28 - 33 | 34 - 40 | 41 - 47 | 48 - 55 | ≥ 56 | %     | MEAN<br>WIND<br>SPEED |
|-------------------------|-------|-------|--------|---------|---------|---------|---------|---------|---------|---------|------|-------|-----------------------|
| N                       | 1.4   | 1.5   | 1.5    | .5      |         | .1      |         |         |         |         |      | 5.1   | 6.5                   |
| NNE                     | .6    | 1.2   | 1.5    | .3      | .2      |         |         |         |         |         |      | 3.8   | 7.1                   |
| NE                      | .5    | 1.1   | 1.4    | 1.6     | .8      | .2      |         |         |         |         |      | 5.4   | 10.5                  |
| ENE                     | .4    | 1.4   | 2.7    | 3.5     | 1.8     | .5      |         |         |         |         |      | 10.5  | 11.8                  |
| E                       | .2    | 1.7   | 3.8    | 4.8     | 2.1     | 1.4     | .4      |         |         |         |      | 14.3  | 13.3                  |
| ESE                     | .7    | 1.7   | 2.0    | 4.0     | 1.6     | .4      |         |         |         |         |      | 10.3  | 11.6                  |
| SE                      | .5    | .7    | .9     | 1.7     | .8      | .4      | .2      |         |         |         |      | 5.1   | 12.6                  |
| SSE                     | .4    | .8    | .8     | .4      | .2      | .5      | .1      |         |         |         |      | 3.1   | 11.3                  |
| S                       | .2    | .6    | 1.0    | .5      | .1      | .2      | .2      |         |         |         |      | 2.6   | 11.5                  |
| SSW                     | .6    | 1.5   | 1.4    | .6      | .2      | .6      | .5      |         |         |         |      | 5.4   | 11.5                  |
| SW                      | .8    | 1.0   | 1.6    | 1.5     | 1.2     | .4      | .1      |         |         |         |      | 6.5   | 11.3                  |
| WSW                     | .5    | 1.1   | 1.3    | 2.2     | .5      | .8      | .2      |         |         |         |      | 6.6   | 12.5                  |
| W                       | 1.0   | 2.1   | 2.6    | 1.9     | .3      | .1      |         |         |         |         |      | 7.9   | 8.3                   |
| WNW                     | 1.6   | 2.0   | 1.2    | .5      | .1      | .1      |         |         |         |         |      | 5.5   | 6.2                   |
| NW                      | 1.0   | 2.1   | .9     | .4      |         |         |         |         |         |         |      | 4.4   | 5.6                   |
| NNW                     | 1.2   | 1.6   | .7     | .1      | .2      |         |         |         |         |         |      | 3.7   | 5.4                   |
| VARBL                   |       |       |        |         |         |         |         |         |         |         |      |       |                       |
| CALM                    |       |       |        |         |         |         |         |         |         |         |      |       |                       |
|                         | 11.3  | 21.9  | 25.3   | 24.4    | 10.0    | 5.5     | 1.6     |         |         |         |      | 100.0 | 10.4                  |

TOTAL NUMBER OF OBSERVATIONS 1326

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

00002 MAUI OPTICAL SITE HI SOUTH TOWER 77-79  
STATION NAME YEARS  
ALL WEATHER  
CLASS  
CONDITION  
DEC  
MONTH  
0000-0200  
HOURS (L.S.T.)

| SPEED<br>(KNTS)<br>DIR. | 1 - 3 | 4 - 6 | 7 - 10 | 11 - 16 | 17 - 21 | 22 - 27 | 28 - 33 | 34 - 40 | 41 - 47 | 48 - 55 | ≥ 56 | %     | MEAN<br>WIND<br>SPEED |
|-------------------------|-------|-------|--------|---------|---------|---------|---------|---------|---------|---------|------|-------|-----------------------|
| N                       | .6    | 1.1   | .6     | 1.1     | .6      | .6      |         |         |         |         |      | 4.5   | 10.8                  |
| NNE                     | .6    | .6    | .6     | 2.3     | 1.1     | .6      |         |         |         |         |      | 5.6   | 12.8                  |
| NE                      | .6    |       | 1.7    | 2.8     | 2.8     | 3.4     | 1.7     | .6      |         |         |      | 13.6  | 18.6                  |
| ENE                     | .6    |       | 5.1    | 3.4     | 3.4     | 1.1     | .6      | 1.1     |         |         |      | 15.3  | 15.7                  |
| E                       | .6    | .6    | 2.3    | 2.8     | 1.1     |         |         |         |         |         |      | 7.3   | 10.5                  |
| ESE                     |       | .6    | .6     | 1.1     | .6      |         |         |         |         |         |      | 2.8   | 11.0                  |
| SE                      | .6    | .6    |        | 1.1     |         |         |         |         |         |         |      | 2.3   | 8.0                   |
| SSE                     | .6    | .6    | 1.1    | 2.8     |         |         |         |         |         |         |      | 5.1   | 9.7                   |
| S                       |       | 1.1   | .6     | 2.8     |         |         |         |         |         |         |      | 4.5   | 10.4                  |
| SSW                     |       | 2.3   | .6     | .6      |         |         |         |         |         |         |      | 3.4   | 7.2                   |
| SW                      |       | .6    | 2.8    | 1.7     | 1.1     |         |         |         |         |         |      | 6.2   | 11.9                  |
| WSW                     | 1.1   | .6    | 1.1    | 5.1     | 1.7     |         |         |         |         |         |      | 9.6   | 11.5                  |
| W                       | 1.1   | .6    | .6     | 2.3     | .6      |         |         |         |         |         |      | 5.1   | 9.8                   |
| WNW                     | .6    | .6    | 2.3    | 1.1     | .6      |         |         |         |         |         |      | 5.1   | 9.9                   |
| NW                      | 1.1   |       | .6     | 1.1     | .6      |         |         |         |         |         |      | 3.4   | 9.0                   |
| NNW                     | 1.7   | 1.7   |        | 1.7     | .6      | .6      |         |         |         |         |      | 6.2   | 9.8                   |
| VARBL                   |       |       |        |         |         |         |         |         |         |         |      |       |                       |
| CALM                    |       |       |        |         |         |         |         |         |         |         |      |       |                       |
|                         | 9.6   | 11.3  | 20.3   | 33.9    | 14.7    | 6.2     | 2.3     | 1.7     |         |         |      | 100.0 | 12.4                  |

TOTAL NUMBER OF OBSERVATIONS 177



GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

## SURFACE WINDS

### PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

00002

STATION

MAUI OPTICAL SITE HI SOUTH TOWER

STATION NAME

77-79

YEARS

DEC

MONTH

ALL WEATHER

CLASS

0300-0500

HOURS (L.S.T.)

CONDITION

| SPEED<br>(KNTS)<br>DIR. | 1 - 3 | 4 - 6 | 7 - 10 | 11 - 16 | 17 - 21 | 22 - 27 | 28 - 33 | 34 - 40 | 41 - 47 | 48 - 53 | ≥ 54 | %     | MEAN<br>WIND<br>SPEED |
|-------------------------|-------|-------|--------|---------|---------|---------|---------|---------|---------|---------|------|-------|-----------------------|
| N                       | .6    | .6    | 1.7    | .6      | 2.3     |         |         | .6      |         |         |      | 6.2   | 14.5                  |
| NNE                     |       |       | 1.1    | 1.7     | 2.3     | 1.7     |         |         |         |         |      | 6.8   | 17.3                  |
| NE                      |       |       | 1.7    | 4.5     | 1.1     | 2.3     | 1.7     |         |         |         |      | 11.4  | 17.7                  |
| ENE                     |       |       | 4.0    | 4.0     | 2.8     | 1.1     |         | .6      |         |         |      | 12.5  | 15.1                  |
| E                       | .6    | 1.1   | .6     | 2.8     |         |         |         |         |         |         |      | 5.1   | 9.7                   |
| ESE                     |       | 2.3   |        | 2.3     |         |         |         |         |         |         |      | 4.5   | 8.9                   |
| SE                      | .6    | 2.8   | .6     | .6      |         |         |         |         |         |         |      | 4.5   | 6.3                   |
| SSE                     |       | .6    |        | 2.8     |         |         |         |         |         |         |      | 3.4   | 11.8                  |
| S                       | 1.1   | 1.1   | .6     | 1.1     |         |         |         |         |         |         |      | 4.0   | 7.1                   |
| SSW                     | .6    | 1.1   | 1.1    | 1.7     |         | .6      |         |         |         |         |      | 5.1   | 9.7                   |
| SW                      | 1.1   | 1.1   | 1.1    | 2.3     | 1.7     | .6      |         |         |         |         |      | 8.0   | 11.9                  |
| WSW                     |       | 3.4   | 1.1    | 1.7     | .6      |         |         |         |         |         |      | 6.8   | 8.8                   |
| W                       | 1.7   | 1.1   | 1.7    | .6      |         |         |         |         |         |         |      | 5.1   | 6.3                   |
| WNW                     |       |       | 1.7    | .6      | .6      |         |         |         |         |         |      | 2.8   | 11.4                  |
| NW                      | 1.1   | 2.3   | 1.7    | 2.3     | 1.1     |         |         |         |         |         |      | 8.5   | 9.3                   |
| NNW                     | 1.7   |       | 1.1    | 1.1     | .6      |         |         | .6      |         |         |      | 5.1   | 12.0                  |
| VARBL                   |       |       |        |         |         |         |         |         |         |         |      |       |                       |
| CALM                    |       |       |        |         |         |         |         |         |         |         |      |       |                       |
|                         | 9.1   | 17.6  | 19.9   | 30.7    | 13.1    | 6.2     | 1.7     | 1.7     |         |         |      | 100.0 | 11.9                  |

TOTAL NUMBER OF OBSERVATIONS

176

2  
GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

00002

STATION

MAUI OPTICAL SITE HI SOUTH TOWER

STATION NAME

77-79

YEARS

DEC

MONTH

ALL WEATHER

CLASS

0600-0800

HOURS (L.S.T.)

CONDITION

| SPEED<br>(KNTS)<br>DIR. | 1 - 3 | 4 - 6 | 7 - 10 | 11 - 16 | 17 - 21 | 22 - 27 | 28 - 33 | 34 - 40 | 41 - 47 | 48 - 55 | ≥ 56 | %     | MEAN<br>WIND<br>SPEED |
|-------------------------|-------|-------|--------|---------|---------|---------|---------|---------|---------|---------|------|-------|-----------------------|
| N                       |       | 1.2   | 1.7    | .6      | .6      |         | .6      | .6      |         |         |      | 5.2   | 15.0                  |
| NNE                     | 1.2   |       | .6     | 4.6     | 2.9     | 1.2     |         |         |         |         |      | 10.4  | 14.3                  |
| NE                      |       | .6    | 1.7    | 2.9     | 1.2     | 3.5     | .6      |         |         |         |      | 10.4  | 17.2                  |
| ENE                     |       |       | 2.3    | 5.8     | 1.7     | 2.3     | .6      | .6      |         |         |      | 13.3  | 17.4                  |
| E                       | .6    | 1.2   | 3.5    | 1.2     |         |         |         |         |         |         |      | 6.4   | 8.2                   |
| ESE                     | .6    | 2.3   | .6     | 1.7     | .6      |         |         |         |         |         |      | 5.8   | 8.9                   |
| SE                      |       |       | 2.3    |         |         |         |         |         |         |         |      | 2.3   | 8.3                   |
| SSE                     | .6    | 1.2   | .6     | .6      |         |         |         |         |         |         |      | 2.9   | 6.8                   |
| S                       |       | 1.2   | 1.2    |         |         | .6      |         |         |         |         |      | 2.9   | 9.8                   |
| SSW                     | .6    | 2.9   | 2.9    | 2.3     | 2.3     |         |         |         |         |         |      | 11.0  | 10.5                  |
| SW                      | .6    | 1.7   | 2.3    |         | 1.2     |         |         |         |         |         |      | 5.8   | 9.2                   |
| WSW                     | .6    |       | 1.2    | 1.7     | .6      | .6      | .6      |         |         |         |      | 5.2   | 15.2                  |
| W                       | 1.2   |       | 2.9    | .6      | .6      |         |         |         | .6      |         |      | 5.8   | 12.1                  |
| WNW                     |       |       | 2.3    | 1.7     |         |         |         |         |         |         |      | 4.0   | 11.1                  |
| NW                      | .6    |       |        | 1.7     | .6      |         |         |         |         |         |      | 2.9   | 12.2                  |
| NNW                     |       | 1.2   | 2.9    | 1.2     |         | .6      |         |         |         |         |      | 5.8   | 9.8                   |
| VARBL                   |       |       |        |         |         |         |         |         |         |         |      |       |                       |
| CALM                    |       |       |        |         |         |         |         |         |         |         |      |       |                       |
|                         | 6.4   | 13.3  | 28.9   | 26.6    | 12.1    | 8.7     | 2.3     | 1.2     | .6      |         |      | 100.0 | 12.6                  |

TOTAL NUMBER OF OBSERVATIONS

173

2  
GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

0002  
STATION

MAUI OPTICAL SITE HI SOUTH TOWER  
STATION NAME

77-79  
YEARS

DEC  
MONTH

ALL WEATHER  
CLASS

0900-1100  
HOURS (L.S.T.)

CONDITION

| SPEED<br>(KNTS)<br>DIR. | 1 - 3 | 4 - 6 | 7 - 10 | 11 - 16 | 17 - 21 | 22 - 27 | 28 - 33 | 34 - 40 | 41 - 47 | 48 - 55 | ≥ 56 | %     | MEAN<br>WIND<br>SPEED |
|-------------------------|-------|-------|--------|---------|---------|---------|---------|---------|---------|---------|------|-------|-----------------------|
| N                       | .6    | 2.4   | 1.8    | .6      |         |         | 1.2     |         |         |         |      | 6.5   | 11.1                  |
| NNE                     | .6    |       | 1.8    | 2.4     | 3.6     | .6      | .6      |         |         |         |      | 9.5   | 15.6                  |
| NE                      | 1.2   | 2.4   | 1.2    | 4.7     | 1.8     | .6      |         |         |         |         |      | 11.8  | 11.4                  |
| ENE                     | .6    | .6    | 1.2    | .6      | 1.2     | 3.0     | 1.8     |         | .6      |         |      | 9.5   | 21.3                  |
| E                       |       | .6    | 1.8    |         |         |         | .6      |         |         |         |      | 3.0   | 12.2                  |
| ESE                     |       |       | 1.8    | 3.0     | .6      |         |         |         |         |         |      | 5.3   | 12.1                  |
| SE                      | .6    | 2.4   | 1.8    | .6      |         |         |         |         |         |         |      | 5.3   | 7.1                   |
| SSE                     | .6    | 1.8   | .6     | .6      |         |         |         |         |         |         |      | 3.6   | 7.0                   |
| S                       |       |       | .6     | .6      | .6      | .6      |         |         |         |         |      | 2.4   | 15.8                  |
| SSW                     | .6    | 2.4   | 2.4    | 3.0     |         | .6      |         |         |         |         |      | 8.9   | 9.5                   |
| SW                      | 1.2   | .6    | 1.8    |         | .6      | .6      |         |         |         |         |      | 4.7   | 9.8                   |
| WSW                     |       | 3.0   | 2.4    | 1.2     | 1.2     | 1.2     | .6      | .6      |         |         |      | 10.1  | 14.7                  |
| W                       | .6    | 1.8   | .6     |         |         |         |         |         |         |         |      | 3.0   | 5.2                   |
| WNW                     | 1.2   | 1.8   | 1.2    | .6      |         |         |         |         |         |         |      | 4.7   | 5.8                   |
| NW                      |       | 1.2   | 2.4    | 3.6     | .6      |         |         |         |         |         |      | 7.7   | 10.0                  |
| NNW                     |       | .6    | .6     | 1.2     | 1.2     |         | .6      |         |         |         |      | 4.1   | 15.1                  |
| VARBL                   |       |       |        |         |         |         |         |         |         |         |      |       |                       |
| CALM                    |       |       |        |         |         |         |         |         |         |         |      |       |                       |
|                         | 7.7   | 21.3  | 23.7   | 22.5    | 11.2    | 7.1     | 5.3     | .6      | .6      |         |      | 100.0 | 12.2                  |

TOTAL NUMBER OF OBSERVATIONS

169

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/HAC

# SURFACE WINDS

## PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

00002 MAUI OPTICAL SITE HI SOUTH TOWER 77-79  
STATION STATION NAME YEARS  
ALL WEATHER  
CLASS  
CONDITION  
DEC  
MONTH  
1200-1400  
HOURS (L.S.T.)

| SPEED<br>(KNTS)<br>DIR. | 1 - 3 | 4 - 6 | 7 - 10 | 11 - 16 | 17 - 21 | 22 - 27 | 28 - 33 | 34 - 40 | 41 - 47 | 48 - 55 | ≥ 56 | %     | MEAN<br>WIND<br>SPEED |
|-------------------------|-------|-------|--------|---------|---------|---------|---------|---------|---------|---------|------|-------|-----------------------|
| N                       | .6    | 1.2   | 2.4    | 1.8     |         |         |         |         |         |         |      | 6.0   | 8.8                   |
| NNE                     | 1.2   | 1.2   | .6     | 3.0     | 1.2     | .6      | .6      |         |         |         |      | 8.4   | 13.6                  |
| NE                      | .6    | 1.2   | .6     | 4.8     | 3.0     | 3.0     | .6      |         |         |         |      | 13.8  | 16.7                  |
| ENE                     |       | .6    | 1.2    | .6      | 1.2     | 1.8     |         | .6      | .6      | .6      |      | 7.2   | 22.4                  |
| E                       |       | 1.2   | 1.2    |         | 1.2     |         |         |         |         |         |      | 3.6   | 10.7                  |
| ESE                     |       |       | .6     | 2.4     | .6      |         |         |         |         |         |      | 3.6   | 13.7                  |
| SE                      |       | .6    |        | 2.4     |         |         |         |         |         |         |      | 3.0   | 10.4                  |
| SSE                     |       |       | 1.2    |         |         |         |         |         |         |         |      | 1.2   | 7.0                   |
| S                       | .6    | 3.6   | .6     | 1.2     | .6      | .6      |         |         |         |         |      | 7.2   | 9.3                   |
| SSW                     | .6    | .6    | 2.4    | 1.8     | 1.2     | .6      |         |         |         |         |      | 7.2   | 11.3                  |
| SW                      |       | .6    | 3.0    | 2.4     | 1.8     | .6      |         |         |         |         |      | 8.4   | 12.3                  |
| WSW                     | 1.2   |       | 1.2    | .6      | 2.4     |         |         |         |         |         |      | 5.4   | 12.2                  |
| W                       | .6    | 2.4   | .6     | .6      |         |         |         |         |         |         |      | 4.2   | 6.4                   |
| WNW                     |       | 1.8   | 3.6    | .6      | .6      |         |         |         |         |         |      | 6.6   | 8.5                   |
| NW                      | 3.0   | 1.8   | 2.4    | 1.2     |         |         |         |         |         |         |      | 8.4   | 6.2                   |
| NNW                     |       | 2.4   | 1.2    |         | .6      | 1.2     |         | .6      |         |         |      | 6.0   | 13.8                  |
| VARBL                   |       |       |        |         |         |         |         |         |         |         |      |       |                       |
| CALM                    |       |       |        |         |         |         |         |         |         |         |      |       |                       |
|                         | 8.4   | 19.2  | 22.8   | 23.4    | 11.4    | 8.4     | 1.2     | 1.2     | .6      | .6      |      | 100.0 | 12.2                  |

TOTAL NUMBER OF OBSERVATIONS 167

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

00002  
STATION

MAUI OPTICAL SITE HI SOUTH TOWER  
STATION NAME

77-79  
YEARS

DEC  
MONTH

1500-1700  
HOURS (L.S.T.)

ALL WEATHER  
CLASS

CONDITION

| SPEED<br>(KNTS)<br>DIR. | 1 - 3 | 4 - 6 | 7 - 10 | 11 - 16 | 17 - 21 | 22 - 27 | 28 - 33 | 34 - 40 | 41 - 47 | 48 - 55 | ≥ 56 | %     | MEAN<br>WIND<br>SPEED |
|-------------------------|-------|-------|--------|---------|---------|---------|---------|---------|---------|---------|------|-------|-----------------------|
| N                       | .6    | 2.3   | 1.1    | 1.1     |         |         |         |         |         |         |      | 5.1   | 7.1                   |
| NNE                     | .6    |       | 2.9    | .6      | 1.1     | 3.4     |         | 1.1     |         |         |      | 9.7   | 18.4                  |
| NE                      | .6    | .6    | 2.9    | 6.3     | 3.4     | 1.1     | .6      |         |         |         |      | 15.4  | 14.3                  |
| ENE                     | 1.7   | 1.7   | 1.7    | 1.7     |         | 2.3     | .6      | .6      |         |         |      | 10.3  | 14.3                  |
| E                       | .6    | .6    |        | .6      | .6      |         |         |         | .6      |         |      | 2.9   | 17.0                  |
| ESE                     | .6    | 1.7   |        | .6      | 1.7     | .6      |         |         |         |         |      | 5.1   | 12.1                  |
| SE                      |       | .6    | 1.1    | .6      | 1.1     |         |         |         |         |         |      | 3.4   | 12.0                  |
| SSE                     |       | 1.1   | 2.3    |         | .6      |         |         |         |         |         |      | 4.0   | 8.4                   |
| S                       |       |       | 2.3    | 1.1     | .6      |         |         |         |         |         |      | 4.0   | 11.3                  |
| SSW                     |       | 1.7   | .6     | 2.3     | .6      | 1.1     |         |         |         |         |      | 6.3   | 12.5                  |
| SW                      |       |       | .6     | 1.7     | 2.3     |         |         |         |         |         |      | 4.6   | 15.5                  |
| WSW                     | .6    | .6    | 1.7    | 3.4     | .6      |         |         |         |         |         |      | 6.9   | 10.6                  |
| W                       | 1.1   | 1.7   | 2.9    | 2.3     |         | .6      |         |         |         |         |      | 8.6   | 8.5                   |
| WNW                     | .6    | .6    | 2.9    | .6      |         | .6      |         |         |         |         |      | 5.1   | 9.8                   |
| NW                      |       | .6    | 1.1    | 1.7     |         |         |         |         |         |         |      | 3.4   | 10.0                  |
| NNW                     |       | .6    | 2.3    | .6      |         | 1.1     |         | .6      |         |         |      | 5.1   | 15.0                  |
| VARBL                   |       |       |        |         |         |         |         |         |         |         |      |       |                       |
| CALM                    |       |       |        |         |         |         |         |         |         |         |      |       |                       |
|                         | 6.9   | 14.3  | 26.3   | 25.1    | 12.6    | 10.9    | 1.1     | 2.3     | .6      |         |      | 100.0 | 12.7                  |

TOTAL NUMBER OF OBSERVATIONS

175

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

# SURFACE WINDS

## PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

00002 STATION MAUI OPTICAL SITE HI SOUTH TOWER 77-79 YEARS  
ALL WEATHER CLASS  
CONDITION  
DEC MONTH  
1800-2000 HOURS (L.S.T.)

| SPEED (KNTS) DIR. | 1 - 3 | 4 - 6 | 7 - 10 | 11 - 14 | 15 - 17 | 22 - 27 | 28 - 33 | 34 - 40 | 41 - 47 | 48 - 55 | ≥ 56 | %     | MEAN WIND SPEED |
|-------------------|-------|-------|--------|---------|---------|---------|---------|---------|---------|---------|------|-------|-----------------|
| N                 | 1.1   | .6    | 1.1    | .6      | .6      | .6      |         |         |         |         |      | 4.4   | 9.8             |
| NNE               | .6    | 2.2   | 3.3    | 2.8     | 3.3     | 3.3     | .6      |         |         |         |      | 16.1  | 14.8            |
| NE                | .6    | .6    | 3.3    | 1.7     | 3.9     | 1.1     | .6      | .6      |         |         |      | 12.2  | 16.2            |
| ENE               |       |       |        | 4.4     | 1.1     | 1.1     |         | 1.1     |         |         |      | 7.8   | 19.1            |
| E                 |       |       | .6     | 1.7     |         | .6      | .6      | .6      |         |         |      | 3.9   | 19.7            |
| ESE               |       | .6    |        | 2.2     | .6      |         |         |         |         |         |      | 3.3   | 12.8            |
| SE                | .6    | 1.1   | .6     | .6      | .6      |         |         |         |         |         |      | 3.3   | 8.7             |
| SSE               |       |       | 2.2    | 1.7     |         |         |         |         |         |         |      | 3.9   | 10.4            |
| S                 |       |       | 2.2    | 2.8     | 1.7     |         |         |         |         |         |      | 6.7   | 12.3            |
| SSW               |       |       | .6     | 1.1     | 1.7     | 1.1     |         |         |         |         |      | 4.4   | 16.9            |
| SW                | 1.7   |       |        |         |         |         |         |         |         |         |      | 1.7   | 2.7             |
| WSW               |       |       | 3.3    | 5.0     | .6      |         |         |         |         |         |      | 8.9   | 11.7            |
| W                 | .6    | .6    | 3.9    | 3.3     |         |         |         |         |         |         |      | 8.3   | 9.0             |
| WNW               | .6    | 1.1   | 1.7    | 1.1     |         |         |         |         |         |         |      | 4.4   | 7.5             |
| NW                | .6    | .6    | 2.2    | .6      | 1.1     | .6      |         |         |         |         |      | 5.6   | 10.5            |
| NNW               |       | .6    | 1.1    | 1.7     | .6      | 1.1     |         |         |         |         |      | 5.0   | 13.8            |
| VARBL             |       |       |        |         |         |         |         |         |         |         |      |       |                 |
| CALM              |       |       |        |         |         |         |         |         |         |         |      |       |                 |
|                   | 6.1   | 7.8   | 26.1   | 31.1    | 15.6    | 9.4     | 1.7     | 2.2     |         |         |      | 100.0 | 13.2            |

TOTAL NUMBER OF OBSERVATIONS 180

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

# SURFACE WINDS

## PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

00002 STATION MAUI OPTICAL SITE HI SOUTH TOWER 77-79 YEARS  
ALL WEATHER CLASS  
CONDITION  
DEC MONTH 2100-2300 HOURS (L.S.T.)

| SPEED<br>(KNTS)<br>DIR. | 1 - 3 | 4 - 6 | 7 - 10 | 11 - 16 | 17 - 21 | 22 - 27 | 28 - 33 | 34 - 40 | 41 - 47 | 48 - 55 | ≥56 | %     | MEAN<br>WIND<br>SPEED |
|-------------------------|-------|-------|--------|---------|---------|---------|---------|---------|---------|---------|-----|-------|-----------------------|
| N                       | .5    |       | 1.6    | 1.6     | .5      | .5      |         |         |         |         |     | 4.8   | 12.0                  |
| NNE                     | .5    |       | 1.1    | 2.2     | 1.6     |         | 1.6     |         |         |         |     | 7.0   | 16.9                  |
| NE                      | 1.1   | 2.7   |        | 5.4     | 3.2     | 3.8     | .5      | 1.1     | 1.1     |         |     | 18.8  | 18.0                  |
| ENE                     |       | .5    | 1.6    | 2.7     | .5      | .5      | .5      | 1.6     |         |         |     | 8.1   | 18.9                  |
| E                       |       |       | 1.6    | 3.2     | 1.1     | .5      |         |         | .5      |         |     | 7.0   | 16.2                  |
| ESE                     |       |       | 2.2    | .5      | 1.6     |         |         |         |         |         |     | 4.3   | 12.0                  |
| SE                      |       |       | 1.1    | .5      |         |         |         |         |         |         |     | 1.6   | 11.3                  |
| SSE                     |       | .5    | .5     |         |         |         |         |         |         |         |     | 1.1   | 7.0                   |
| S                       |       |       | 1.1    | 3.8     | 1.1     |         |         |         |         |         |     | 5.9   | 12.0                  |
| SSW                     |       | 1.1   | 1.1    |         | 1.6     |         |         |         |         |         |     | 3.8   | 11.3                  |
| SW                      | .5    |       | 2.2    | 2.2     | .5      |         |         |         |         |         |     | 5.4   | 10.1                  |
| WSW                     |       | .5    | 2.7    | 2.7     | .5      |         |         |         |         |         |     | 6.5   | 11.3                  |
| W                       | .5    | 1.6   | 3.2    | 3.2     | .5      |         |         |         |         |         |     | 9.1   | 9.5                   |
| WNW                     | 2.2   | 1.6   | 1.1    | 1.1     |         |         |         |         |         |         |     | 5.9   | 6.4                   |
| NW                      | .5    | .5    | 1.1    | 1.1     |         |         |         |         |         |         |     | 3.2   | 8.7                   |
| NNW                     | 1.1   |       | 1.6    | 2.2     | .5      | 1.6     | .5      |         |         |         |     | 7.5   | 14.2                  |
| VARBL                   |       |       |        |         |         |         |         |         |         |         |     |       |                       |
| CALM                    |       |       |        |         |         |         |         |         |         |         |     |       |                       |
|                         | 7.0   | 9.1   | 23.7   | 32.3    | 13.4    | 7.0     | 3.2     | 2.7     | 1.6     |         |     | 100.0 | 13.6                  |

TOTAL NUMBER OF OBSERVATIONS 186

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

# **SURFACE WINDS**

## **PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)**

0002 MAUI OPTICAL SITE HI SOUTH TOWER 77-79  
STATION STATION NAME YEARS  
ALL WEATHER  
CLASS  
CONDITION  
DEC  
MONTH  
ALL  
HOURS [L.S.T.]

| SPEED<br>(KNTS)<br>DIR. | 1 - 3 | 4 - 6 | 7 - 10 | 11 - 16 | 17 - 21 | 22 - 27 | 28 - 33 | 34 - 40 | 41 - 47 | 48 - 55 | ≥ 56 | %     | MEAN<br>WIND<br>SPEED |
|-------------------------|-------|-------|--------|---------|---------|---------|---------|---------|---------|---------|------|-------|-----------------------|
| N                       | .6    | 1.1   | 1.5    | 1.0     | .6      | .2      | .2      | .1      |         |         |      | 5.3   | 11.2                  |
| NNE                     | .6    | .5    | 1.5    | 2.4     | 2.1     | 1.4     | .4      | .1      |         |         |      | 9.2   | 15.5                  |
| NE                      | .6    | 1.0   | 1.6    | 4.1     | 2.6     | 2.4     | .8      | .3      | .1      |         |      | 13.5  | 16.4                  |
| ENE                     | .4    | .4    | 2.1    | 2.9     | 1.5     | 1.6     | .5      | .8      | .1      | .1      |      | 10.5  | 17.5                  |
| E                       | .3    | .6    | 1.4    | 1.6     | .5      | .1      | .1      | .1      | .1      |         |      | 4.9   | 12.6                  |
| ESE                     | .1    | .9    | .7     | 1.7     | .8      | .1      |         |         |         |         |      | 4.3   | 11.3                  |
| SE                      | .3    | 1.0   | .9     | .8      | .2      |         |         |         |         |         |      | 3.2   | 8.6                   |
| SSE                     | .2    | .7    | 1.1    | 1.1     | .1      |         |         |         |         |         |      | 3.1   | 9.0                   |
| S                       | .2    | .9    | 1.1    | 1.7     | .6      | .2      |         |         |         |         |      | 4.7   | 10.8                  |
| SSW                     | .3    | 1.5   | 1.4    | 1.6     | .9      | .5      |         |         |         |         |      | 6.2   | 11.0                  |
| SW                      | .6    | .6    | 1.7    | 1.3     | 1.1     | .2      |         |         |         |         |      | 5.6   | 11.2                  |
| WSW                     | .4    | 1.0   | 1.9    | 2.7     | 1.0     | .2      | .1      | .1      |         |         |      | 7.4   | 12.0                  |
| W                       | .9    | 1.2   | 2.1    | 1.6     | .2      | .1      |         |         | .1      |         |      | 6.2   | 8.7                   |
| WNW                     | .6    | .9    | 2.1    | .9      | .2      | .1      |         |         |         |         |      | 4.8   | 8.6                   |
| NW                      | .9    | .9    | 1.4    | 1.6     | .5      | .1      |         |         |         |         |      | 5.3   | 9.2                   |
| NNW                     | .6    | .9    | 1.4    | 1.2     | .5      | .8      | .1      | .2      |         |         |      | 5.6   | 12.9                  |
| VARBL                   |       |       |        |         |         |         |         |         |         |         |      |       |                       |
| CALM                    |       |       |        |         |         |         |         |         |         |         |      |       |                       |
|                         | 7.6   | 14.1  | 23.9   | 28.3    | 13.4    | 8.0     | 2.4     | 1.7     | .5      | .1      |      | 100.0 | 12.6                  |

TOTAL NUMBER OF OBSERVATIONS 1403



GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

00002 MAUI OPTICAL SITE HI SOUTH TOWER 77-80  
STATION STATION NAME YEARS

ALL  
MONTH

ALL WEATHER

CLASS

ALL

HOURS (L.S.T.)

CONDITION

| SPEED<br>(KNTS)<br>DIR. | 1 - 3 | 4 - 6 | 7 - 10 | 11 - 16 | 17 - 21 | 22 - 27 | 28 - 33 | 34 - 40 | 41 - 47 | 48 - 55 | ≥ 56 | %     | MEAN<br>WIND<br>SPEED |
|-------------------------|-------|-------|--------|---------|---------|---------|---------|---------|---------|---------|------|-------|-----------------------|
| N                       | .5    | 1.2   | 1.5    | 1.1     | .5      | .2      | .1      | .0      |         |         |      | 5.0   | 10.1                  |
| NNE                     | .4    | 1.3   | 2.1    | 2.4     | .8      | .4      | .1      | .0      |         |         |      | 7.5   | 11.2                  |
| NE                      | .5    | 1.3   | 2.4    | 2.8     | 1.2     | .5      | .1      | .0      | .0      |         |      | 8.7   | 11.7                  |
| ENE                     | .4    | 1.4   | 2.8    | 3.4     | 1.3     | .5      | .1      | .1      | .0      | .0      |      | 10.1  | 12.0                  |
| E                       | .4    | 1.3   | 2.2    | 2.3     | 1.0     | .5      | .1      | .0      | .0      |         |      | 7.8   | 11.7                  |
| ESE                     | .4    | 1.2   | 1.9    | 2.0     | .6      | .2      | .0      | .0      |         |         |      | 6.4   | 10.5                  |
| SE                      | .5    | 1.5   | 2.4    | 2.4     | .8      | .4      | .1      | .0      |         |         |      | 8.1   | 10.9                  |
| SSE                     | .4    | 1.0   | 1.5    | 1.9     | 1.1     | .7      | .3      | .1      |         | .0      | .0   | 7.0   | 13.4                  |
| S                       | .5    | 1.2   | 1.4    | 1.5     | .8      | .4      | .1      | .0      |         |         |      | 5.9   | 11.3                  |
| SSW                     | .7    | 1.2   | 1.1    | 1.2     | .5      | .4      | .1      | .0      |         |         |      | 5.1   | 10.6                  |
| SW                      | .8    | 1.1   | 1.1    | 1.1     | .6      | .3      | .1      | .1      | .0      |         |      | 5.1   | 10.9                  |
| WSW                     | .7    | .9    | .9     | 1.0     | .5      | .3      | .1      | .0      | .0      |         |      | 4.4   | 10.8                  |
| W                       | .9    | 1.1   | 1.0    | .9      | .5      | .3      | .1      | .0      | .0      |         |      | 4.8   | 9.9                   |
| WNW                     | .8    | 1.2   | 1.0    | .6      | .3      | .2      | .0      | .0      |         |         |      | 4.1   | 8.4                   |
| NW                      | .7    | 1.3   | 1.1    | 1.0     | .5      | .1      | .0      | .0      |         |         |      | 4.8   | 9.3                   |
| NNW                     | .6    | 1.1   | 1.3    | 1.1     | .6      | .3      | .1      | .0      |         |         |      | 5.0   | 10.4                  |
| VARBL                   |       |       |        |         |         |         |         |         |         |         |      |       |                       |
| CALM                    |       |       |        |         |         |         |         |         |         |         |      |       |                       |
|                         | 9.1   | 19.3  | 25.7   | 26.8    | 11.5    | 5.5     | 1.6     | .5      | .1      | .0      | .0   | 100.0 | 11.0                  |

TOTAL NUMBER OF OBSERVATIONS

16589

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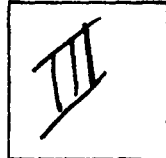
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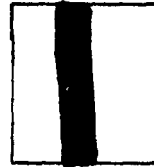
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| 19. KEY WORDS (Continue on reverse side if necessary and identify by block number)<br><table border="0"> <tr> <td>*RUSSWO</td> <td>Daily temperatures</td> <td>Atmospheric pressure</td> </tr> <tr> <td>Snowfall</td> <td>Extreme snow depth</td> <td>Extreme surface winds</td> </tr> <tr> <td>Climatology</td> <td>Sea-level pressure</td> <td>Psychrometric summary</td> </tr> <tr> <td>Surface Winds</td> <td>Extreme temperature</td> <td>Ceiling versus visibility</td> </tr> <tr> <td>Relative Humidity</td> <td>*Climatological data</td> <td>(over)</td> </tr> </table>   |                       |  | *RUSSWO | Daily temperatures | Atmospheric pressure | Snowfall | Extreme snow depth | Extreme surface winds | Climatology | Sea-level pressure | Psychrometric summary | Surface Winds | Extreme temperature | Ceiling versus visibility | Relative Humidity | *Climatological data | (over) |
| *RUSSWO  | Daily temperatures    | Atmospheric pressure   |         |                    |                      |          |                    |                       |             |                    |                       |               |                     |                           |                   |                      |        |
| Snowfall   | Extreme snow depth    | Extreme surface winds  |         |                    |                      |          |                    |                       |             |                    |                       |               |                     |                           |                   |                      |        |
| Climatology  | Sea-level pressure    | Psychrometric summary  |         |                    |                      |          |                    |                       |             |                    |                       |               |                     |                           |                   |                      |        |
| Surface Winds  | Extreme temperature   | Ceiling versus visibility                                      |         |                    |                      |          |                    |                       |             |                    |                       |               |                     |                           |                   |                      |        |
| Relative Humidity  | *Climatological data  | (over)   |         |                    |                      |          |                    |                       |             |                    |                       |               |                     |                           |                   |                      |        |
| 20. ABSTRACT (Continue on reverse side if necessary and identify by block number)<br>This report is a six-part statistical summary of surface weather observations for<br>Portland IAP, Portland, Oregon<br>It contains the following parts: (A) Weather Conditions; Atmospheric Phenomena;<br>(B) Precipitation, Snowfall and Snow Depth (daily amounts and extreme values);<br>(C) Surface winds; (D) Ceiling versus Visibility; Sky Cover; (E) Psychrometric<br>Summaries (daily maximum and minimum temperatures, extreme maximum and minimum<br>temperatures, psychrometric summary of wet-bulb temperature depression versus<br>dry-bulb temperature, means and standard deviations of dry-bulb, wet-bulb (over) |                       |  |         |                    |                      |          |                    |                       |             |                    |                       |               |                     |                           |                   |                      |        |

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19. Percentage frequency of distribution tables  
Dry-bulb temperature versus wet-bulb temperature  
Cumulative percentage frequency of distribution tables
  
20. and dew point temperatures and relative humidity); and (F) Pressure  
Summary (means, standard, deviations, and observation counts of  
station pressure and sea-level pressure). Data in this report are  
presented in tabular form, in most cases in percentage frequency of  
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